

Data File : VW004364.D
Acq On : 31 Jul 2018 18:04
Operator : SY/AP
Sample : VSTD2.582
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.582

Quant Time: Jul 31 20:21:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073118S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 31 17:41:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	365744	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	345861	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	179375	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	7110	2.88	ug/L	0.00
7) Chloroethane-d5	2.89	69	7233	2.44	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	25252	3.30	ug/L	0.00
20) 2-Butanone-d5	7.09	46	9798	6.02	ug/L	0.00
24) Chloroform-d	7.65	84	28076	3.26	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	15431	3.20	ug/L	0.00
29) Benzene-d6	8.28	84	53139	3.07	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	17395	3.32	ug/L	0.00
37) Toluene-d8	10.33	98	49239	2.95	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	7519	2.91	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	6600	4.87	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	17148	3.16	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	20486	3.09	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	9764	3.080	ug/L	95
3) Chloromethane	2.22	50	9460	3.043	ug/L	84
5) Vinyl chloride	2.37	62	9058	2.669	ug/L	95
6) Bromomethane	2.78	94	6883	2.387	ug/L	98
8) Chloroethane	2.93	64	6603	2.325	ug/L	99
9) Trichlorofluoromethane	3.25	101	8060	2.434	ug/L	98
12) 1,1-Dichloroethene	4.04	96	13156	3.090	ug/L	92
13) Acetone	4.13	43	10961	7.750	ug/L	99
15) Methyl Acetate	4.67	43	9462	3.441	ug/L	# 73
16) Methylene chloride	4.91	84	22458	4.102	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	19574	2.894	ug/L	96
18) trans-1,2-Dichloroethene	5.41	96	14276	3.062	ug/L	97
19) 1,1-Dichloroethane	6.21	63	25751	3.220	ug/L	95
21) 2-Butanone	7.18	43	12338	6.452	ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	15275	2.950	ug/L	90
23) Bromochloromethane	7.51	128	7229	2.949	ug/L	81
25) Chloroform	7.68	83	26074	3.034	ug/L	99
27) 1,2-Dichloroethane	8.40	62	17620	3.061	ug/L	# 94
30) Cyclohexane	7.95	56	21289	2.728	ug/L	92
31) 1,1,1-Trichloroethane	7.87	97	21329	2.928	ug/L	98
32) Carbon tetrachloride	8.07	117	20490	2.879	ug/L	98
34) Benzene	8.32	78	57857	3.038	ug/L	100
35) Trichloroethene	9.09	95	15262	2.954	ug/L	99
36) Methylcyclohexane	9.34	83	25355	2.748	ug/L	95
40) 1,2-Dichloropropane	9.37	63	14616	3.099	ug/L	100
41) Bromodichloromethane	9.65	83	18315	2.934	ug/L	# 98
42) cis-1,3-Dichloropropene	10.08	75	21119	2.781	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	21098	5.631	ug/L	94
44) Toluene	10.39	91	59938	2.872	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	18740	2.732	ug/L	99

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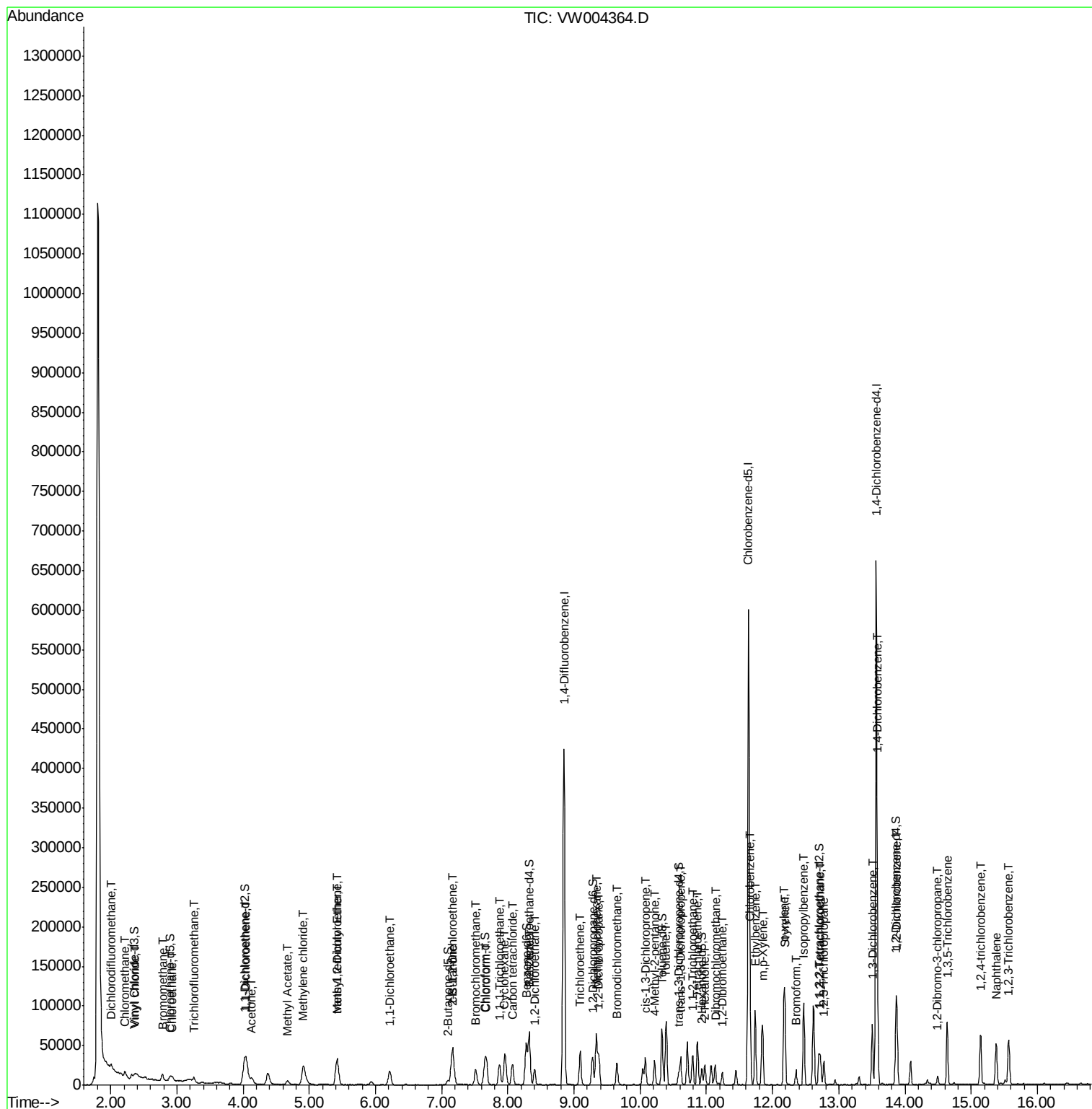
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1,2-Trichloroethane	10.79	97	11644	2.915	ug/L	98
47) Tetrachloroethene	10.87	164	12997	2.900	ug/L	95
49) 2-Hexanone	10.98	43	15753	5.699	ug/L	94
50) Dibromochloromethane	11.13	129	14067	2.909	ug/L	93
51) 1,2-Dibromoethane	11.24	107	11263	2.835	ug/L	97
52) Chlorobenzene	11.66	112	41054	2.972	ug/L	98
53) Ethylbenzene	11.74	91	66032	2.812	ug/L	97
54) m,p-Xylene	11.85	106	24152	2.661	ug/L	91
55) o-xylene	12.17	106	23043	2.723	ug/L	98
56) Styrene	12.19	104	38584	2.645	ug/L	95
57) Isopropylbenzene	12.47	105	61813	2.575	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	16080	2.997	ug/L #	95
59) 1,2,3-Trichloropropane	12.77	75	12449	3.032	ug/L	98
62) Bromoform	12.35	173	8969	2.815	ug/L #	94
63) 1,3-Dichlorobenzene	13.51	146	32312	2.879	ug/L	91
64) 1,4-Dichlorobenzene	13.59	146	34397	3.010	ug/L	95
65) 1,2-Dichlorobenzene	13.88	146	30902	2.958	ug/L	92
66) 1,2-Dibromo-3-chloropropan	14.49	75	3013	3.045	ug/L #	82
67) 1,3,5-Trichlorobenzene	14.64	180	26695	3.012	ug/L	97
68) 1,2,4-trichlorobenzene	15.15	180	21609	2.877	ug/L	98
69) Naphthalene	15.38	128	44278	2.569	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	19848	2.856	ug/L	99

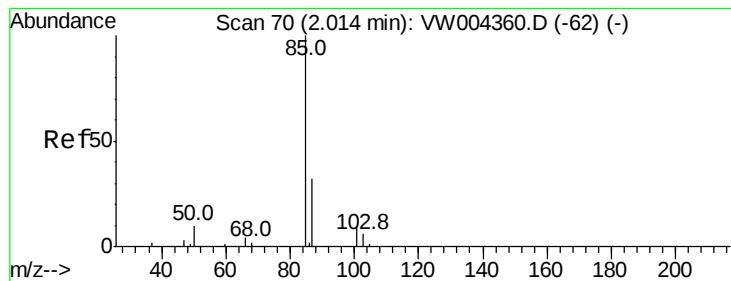
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 3.080 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.01 min

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Acq: 31 Jul 2018 18:04

Instrument :

MSVOA_W

ClientSampleId :

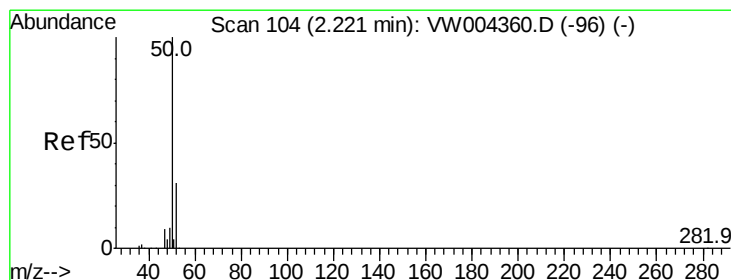
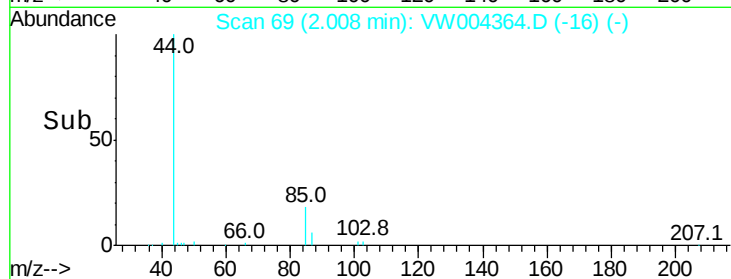
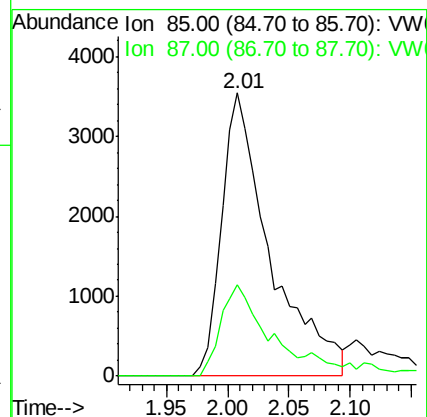
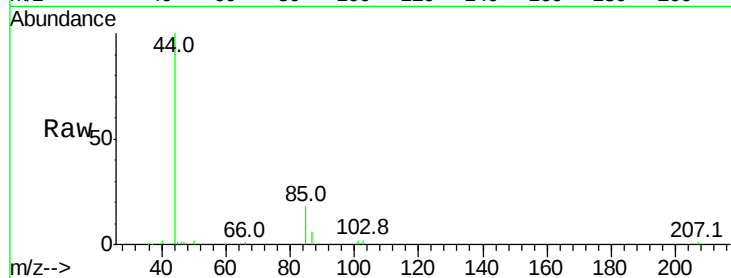
VSTD2.582

Tgt Ion: 85 Resp: 9764

Ion Ratio Lower Upper

85 100

87 29.1 22.1 41.1



#3

Chloromethane

Concen: 3.043 ug/L

RT: 2.22 min Scan# 103

Delta R.T. -0.01 min

Lab File: VW004364.D

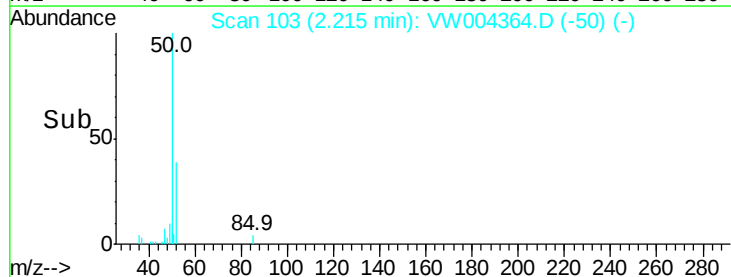
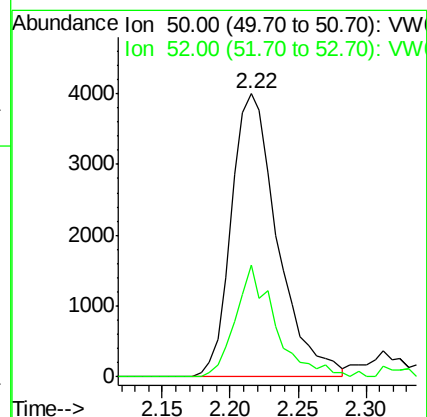
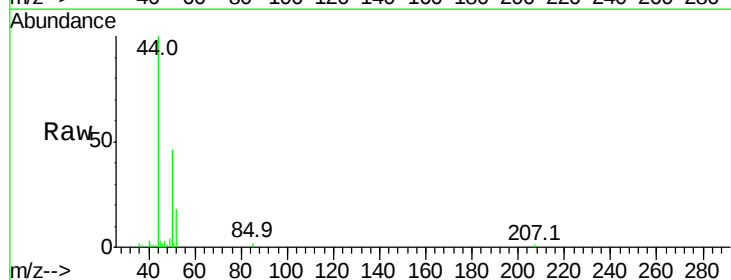
Acq: 31 Jul 2018 18:04

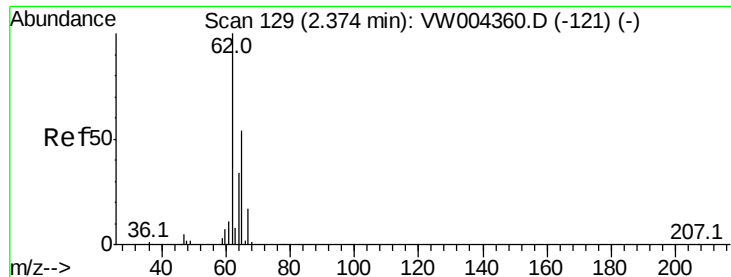
Tgt Ion: 50 Resp: 9460

Ion Ratio Lower Upper

50 100

52 39.3 21.6 40.0





#5

Vinyl chloride

Concen: 2.669 ug/L

RT: 2.37 min Scan# 129

Delta R.T. 0.00 min

Lab File: VW004364.D

Acq: 31 Jul 2018 18:04

Instrument :

MSVOA_W

ClientSampleId :

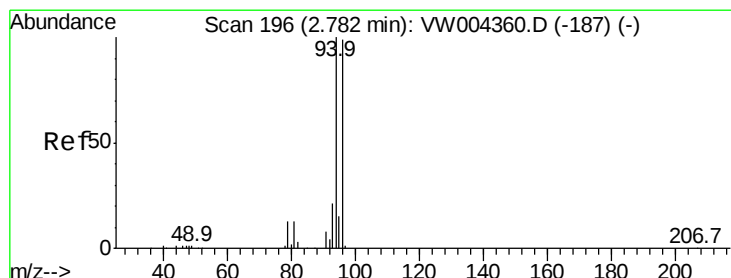
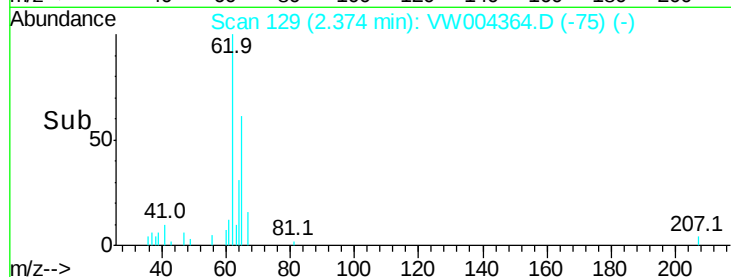
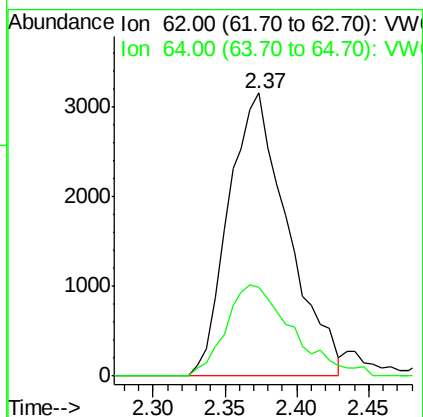
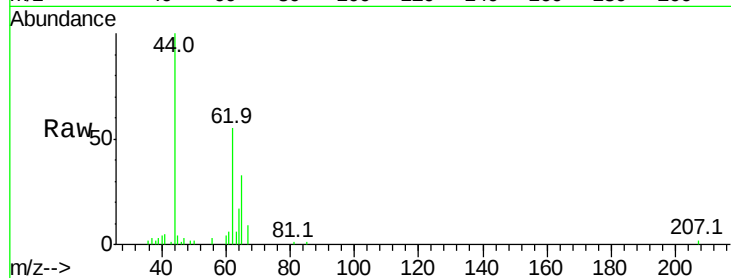
VSTD2.582

Tgt Ion: 62 Resp: 9058

Ion Ratio Lower Upper

62 100

64 31.5 23.9 44.5



#6

Bromomethane

Concen: 2.387 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004364.D

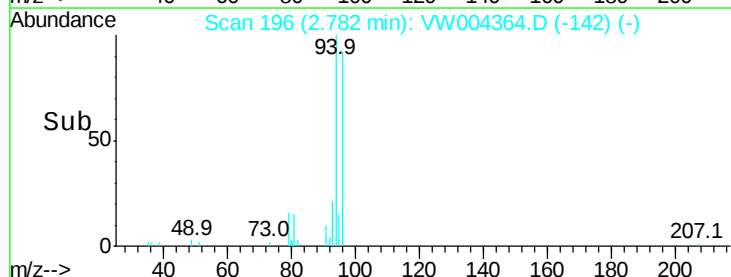
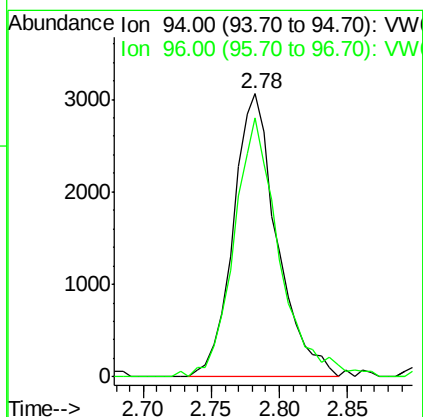
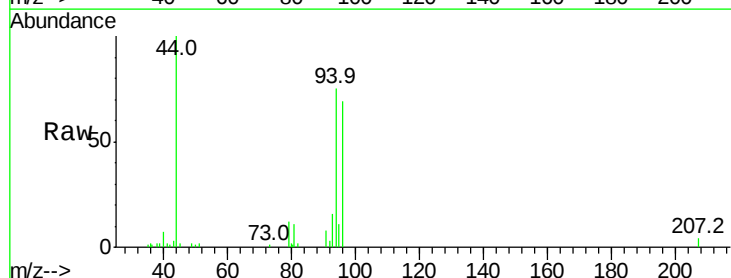
Acq: 31 Jul 2018 18:04

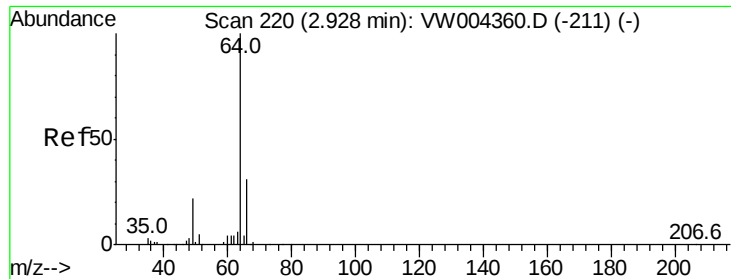
Tgt Ion: 94 Resp: 6883

Ion Ratio Lower Upper

94 100

96 93.6 9.5 181.1

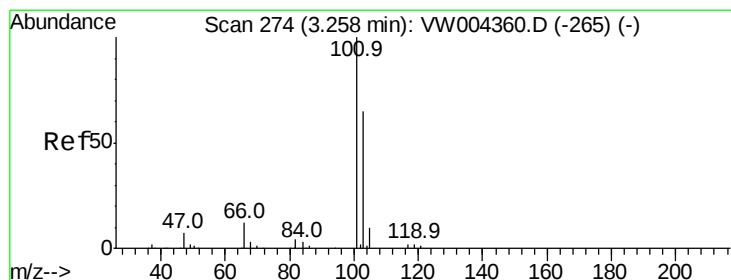
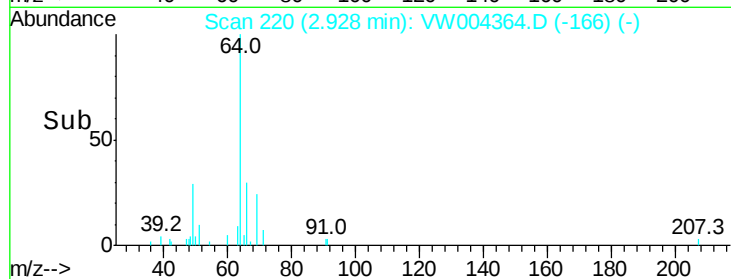
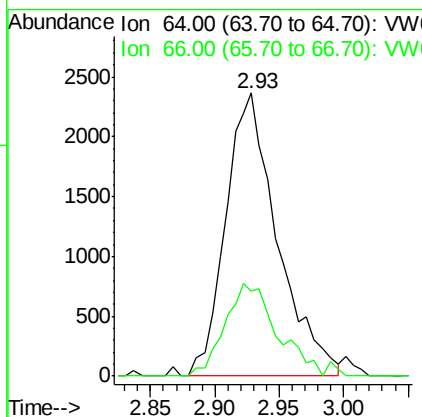
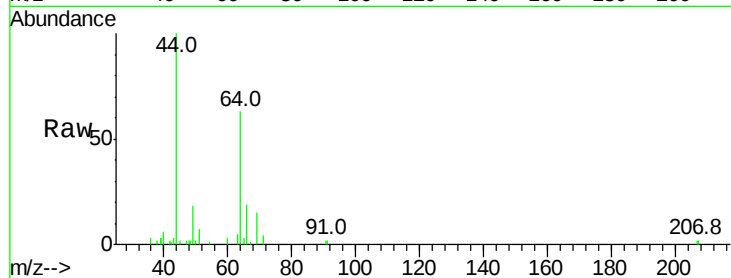




#8
Chloroethane
Concen: 2.325 ug/L
RT: 2.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VW004364.D
Acq: 31 Jul 2018 18:04

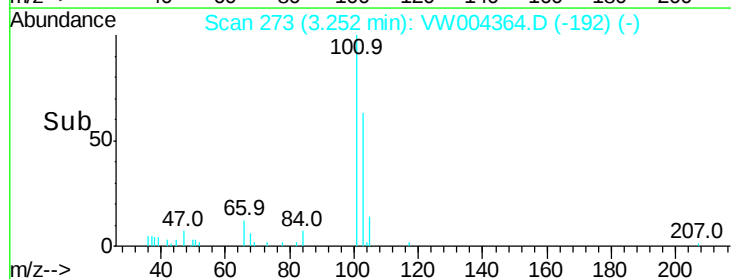
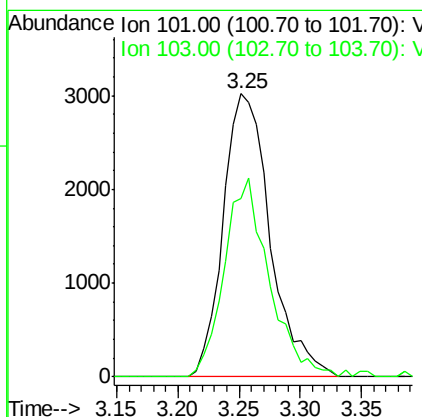
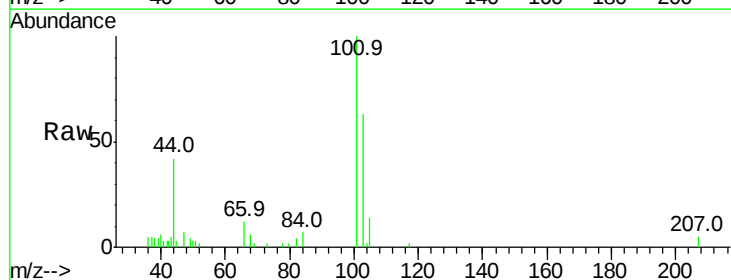
Instrument :
MSVOA_W
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VSTD2.582

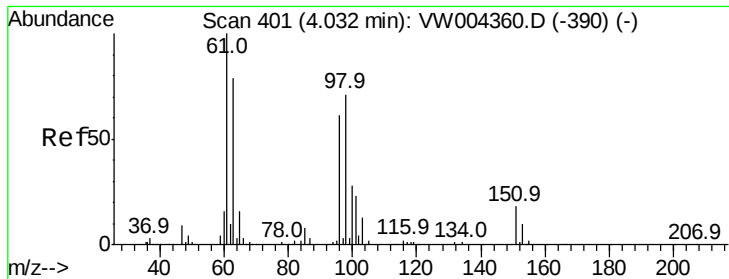
Tgt Ion: 64 Resp: 6603
Ion Ratio Lower Upper
64 100
66 29.9 21.5 39.9



#9
Trichlorofluoromethane
Concen: 2.434 ug/L
RT: 3.25 min Scan# 273
Delta R.T. -0.01 min
Lab File: VW004364.D
Acq: 31 Jul 2018 18:04

Tgt Ion: 101 Resp: 8060
Ion Ratio Lower Upper
101 100
103 66.6 45.3 84.1





#12

1,1-Dichloroethene

Concen: 3.090 ug/L

RT: 4.04 min Scan# 402

Delta R.T. 0.01 min

Lab File: VW004364.D

Acq: 31 Jul 2018 18:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.582

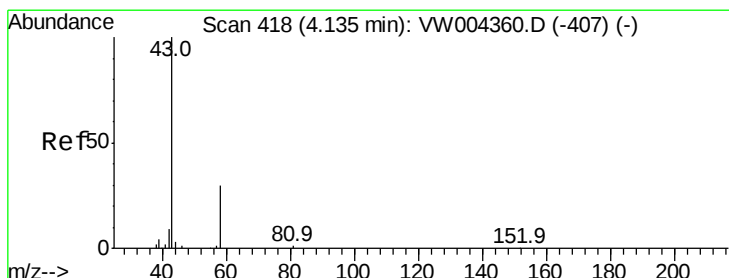
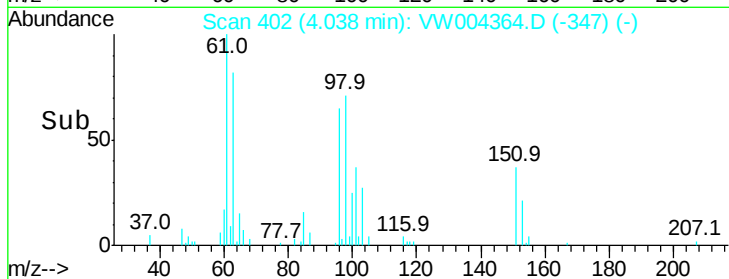
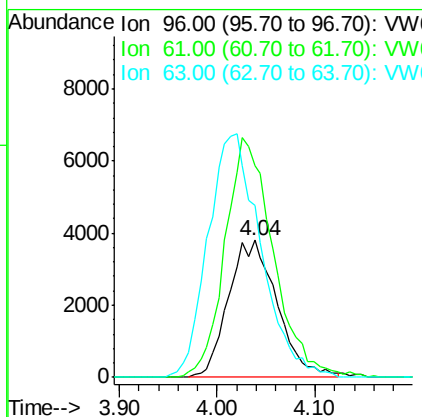
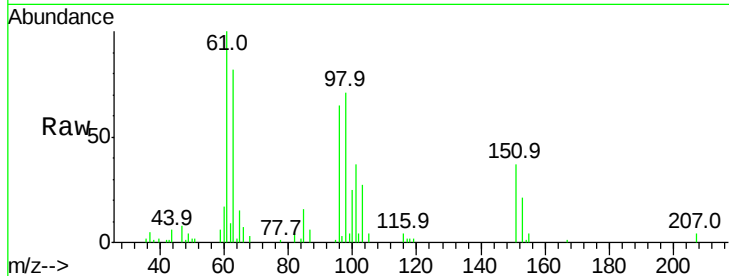
Tgt Ion: 96 Resp: 13156

Ion Ratio Lower Upper

96 100

61 154.0 115.4 214.4

63 125.6 94.4 175.2



#13

Acetone

Concen: 7.750 ug/L

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

Lab File: VW004364.D

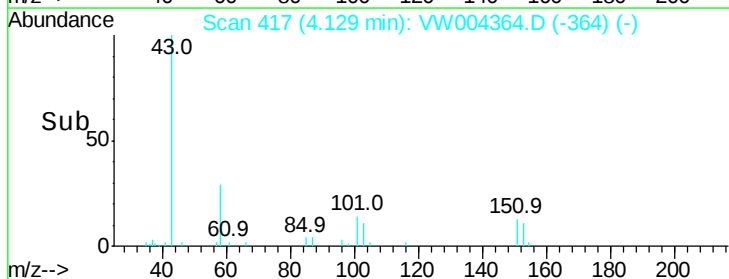
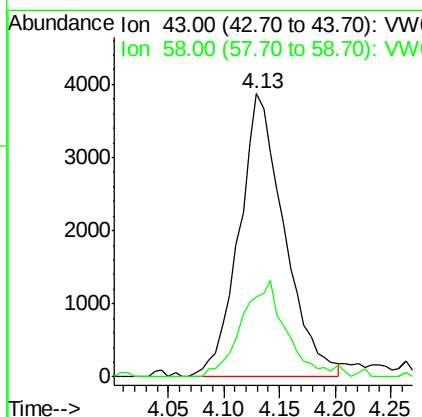
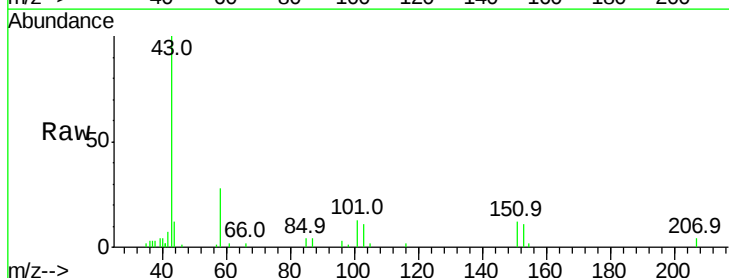
Acq: 31 Jul 2018 18:04

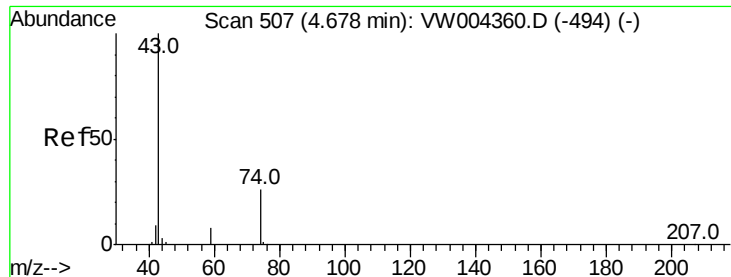
Tgt Ion: 43 Resp: 10961

Ion Ratio Lower Upper

43 100

58 33.0 0.0 64.8

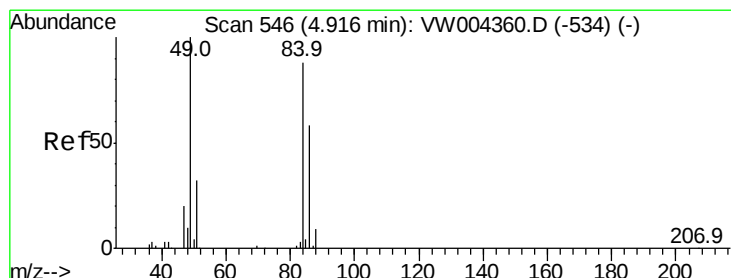
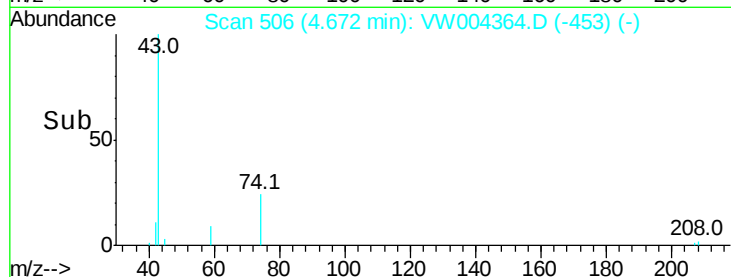
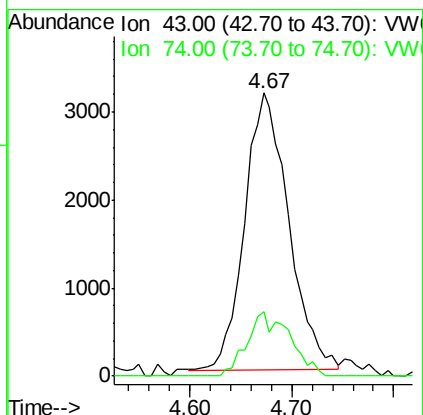
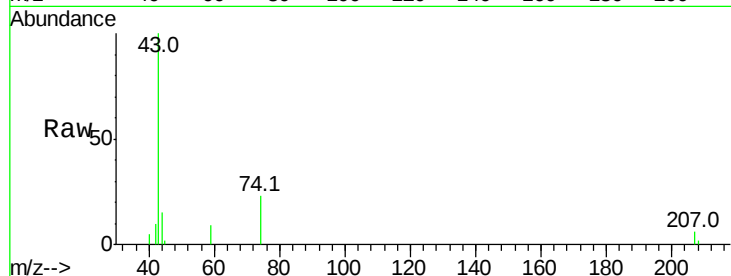




#15
Methyl Acetate
Concen: 3.441 ug/L
RT: 4.67 min Scan# 506
Delta R.T. -0.01 min
Lab File: VW004364.D
Acq: 31 Jul 2018 18:04

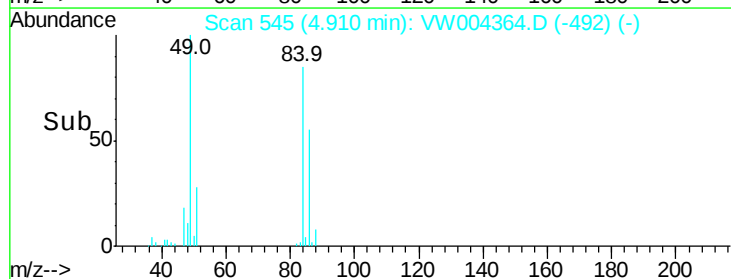
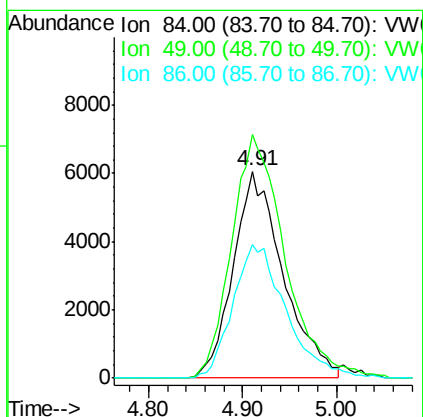
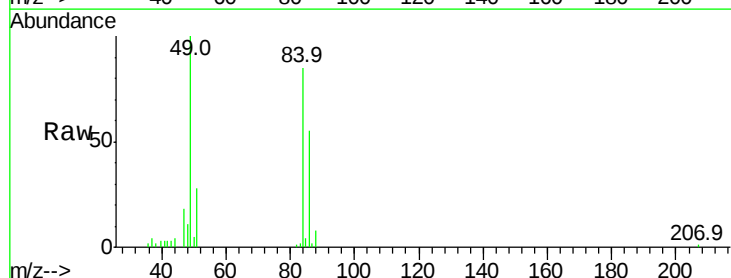
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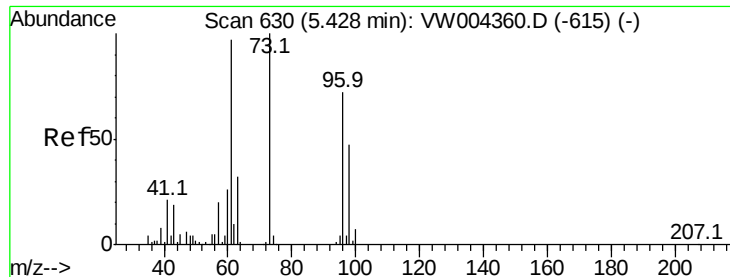
Tgt Ion: 43 Resp: 9462
Ion Ratio Lower Upper
43 100
74 12.0 20.6 31.0#



#16
Methylene chloride
Concen: 4.102 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004364.D
Acq: 31 Jul 2018 18:04

Tgt Ion: 84 Resp: 22458
Ion Ratio Lower Upper
84 100
49 117.7 79.5 147.7
86 64.3 45.8 85.2

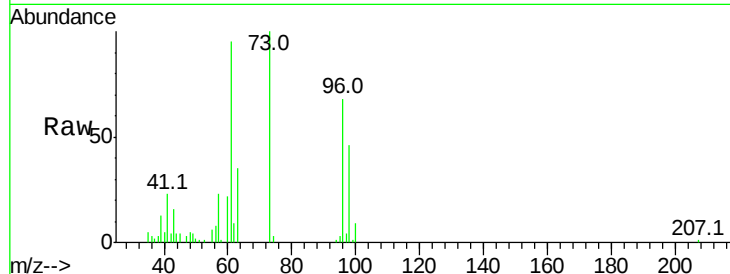




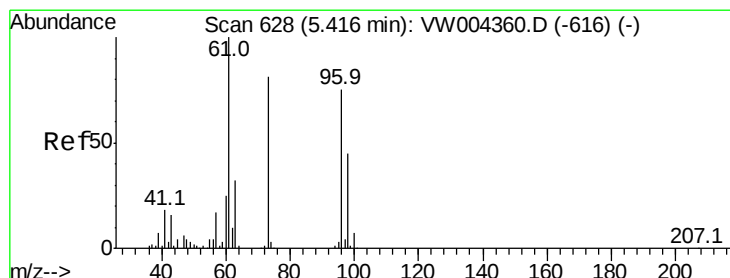
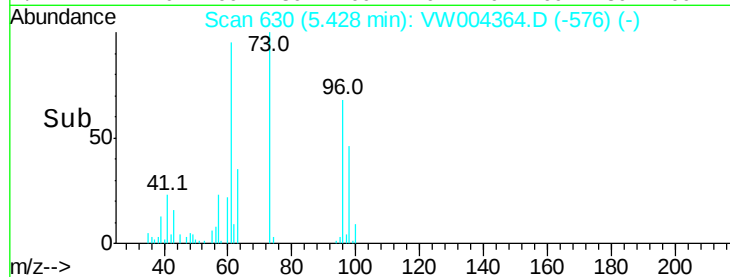
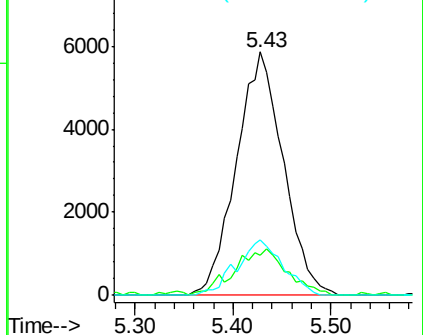
#17
Methyl tert-butyl Ether
Concen: 2.894 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004364.D
Acq: 31 Jul 2018 18:04

Instrument :
MSVOA_W
ClientSampleId :
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Tgt Ion: 73 Resp: 19574
Ion Ratio Lower Upper
73 100
43 19.0 15.1 22.7
57 18.1 17.1 25.7

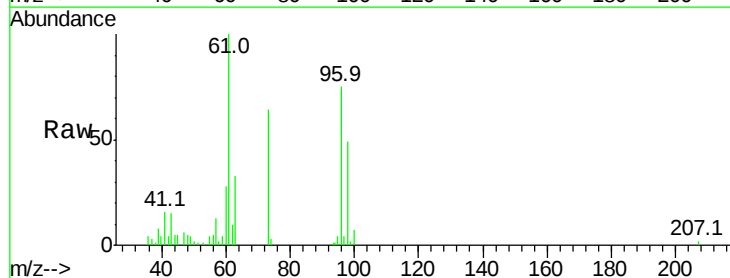


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

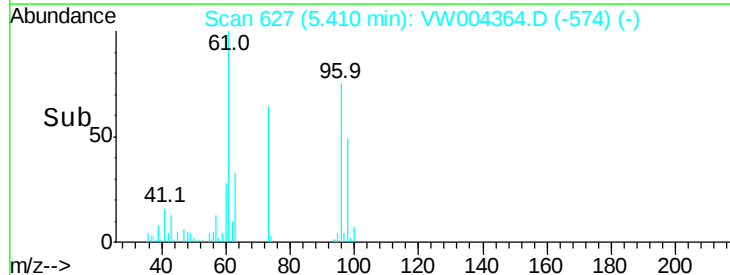
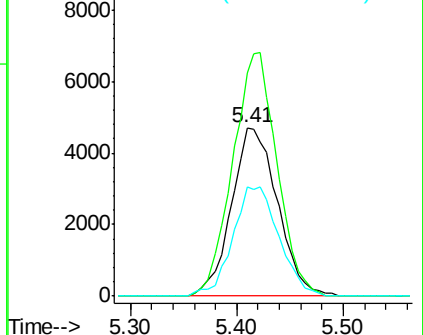


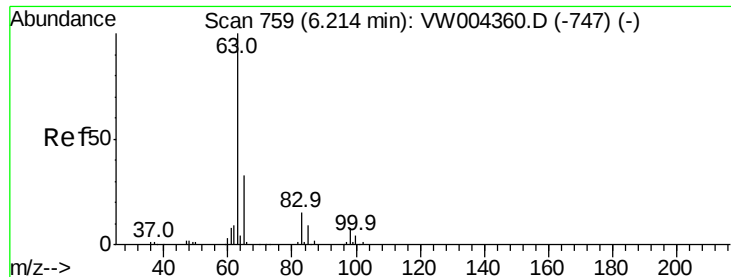
#18
trans-1,2-Dichloroethene
Concen: 3.062 ug/L
RT: 5.41 min Scan# 627
Delta R.T. -0.01 min
Lab File: VW004364.D
Acq: 31 Jul 2018 18:04

Tgt Ion: 96 Resp: 14276
Ion Ratio Lower Upper
96 100
61 132.7 93.7 174.1
98 64.4 41.9 77.7



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW

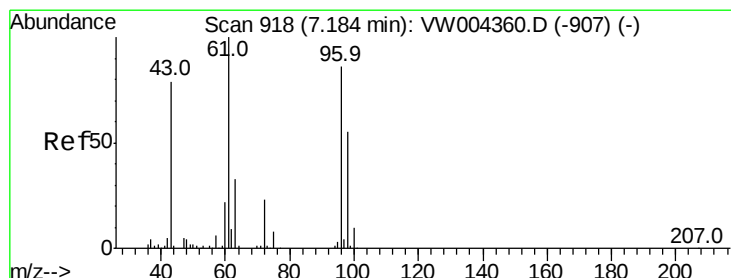
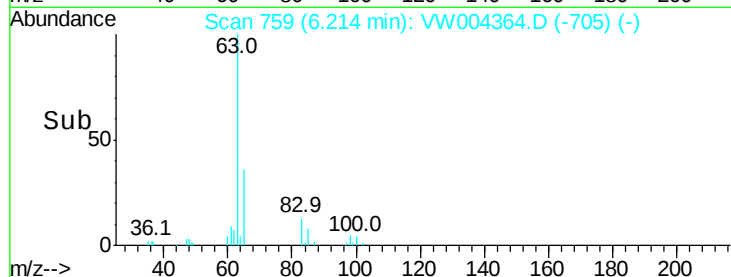
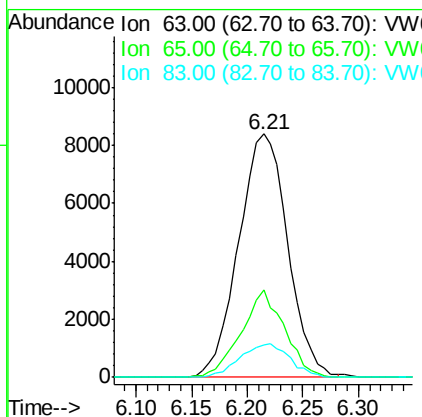
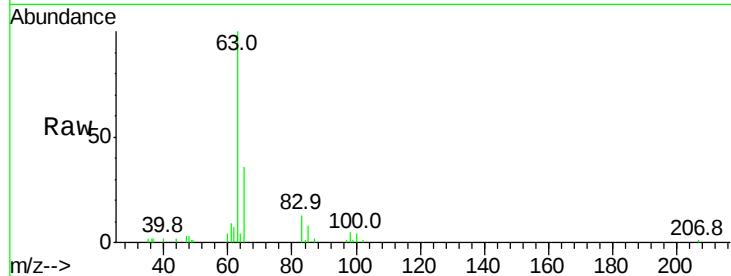




#19
 1,1-Dichloroethane
 Concen: 3.220 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW004364.D
 Acq: 31 Jul 2018 18:04

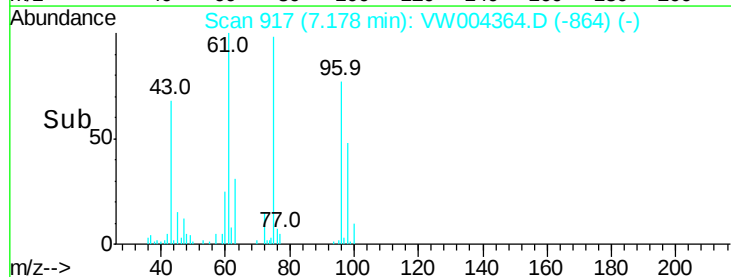
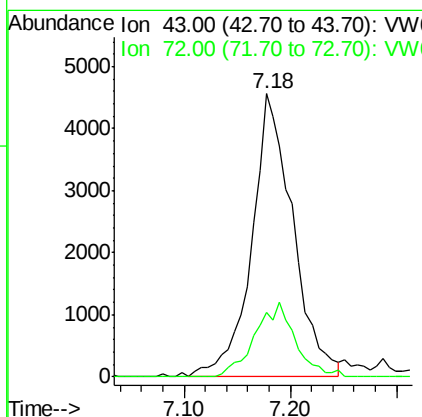
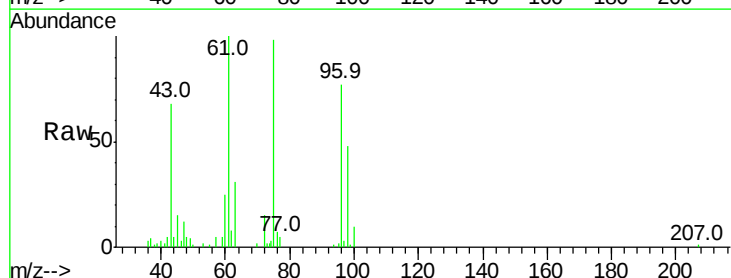
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD2.582

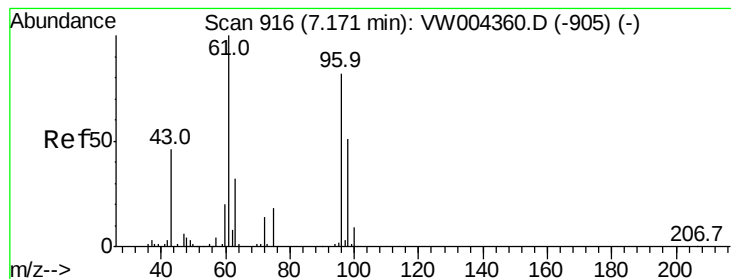
Tgt Ion: 63 Resp: 25751
 Ion Ratio Lower Upper
 63 100
 65 35.8 23.0 42.8
 83 13.3 10.3 19.1



#21
 2-Butanone
 Concen: 6.452 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VW004364.D
 Acq: 31 Jul 2018 18:04

Tgt Ion: 43 Resp: 12338
 Ion Ratio Lower Upper
 43 100
 72 25.6 14.4 43.2



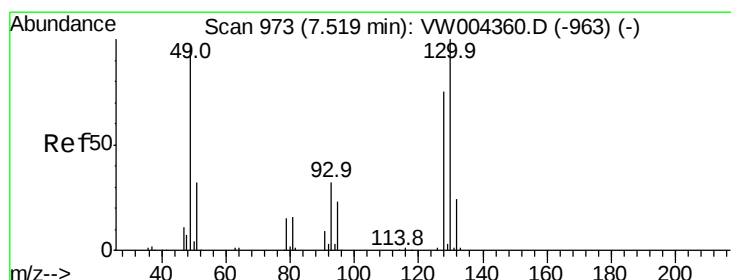
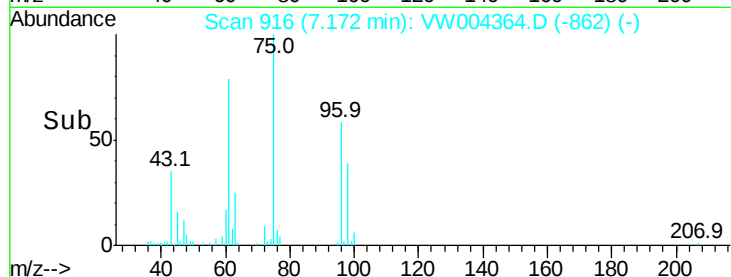
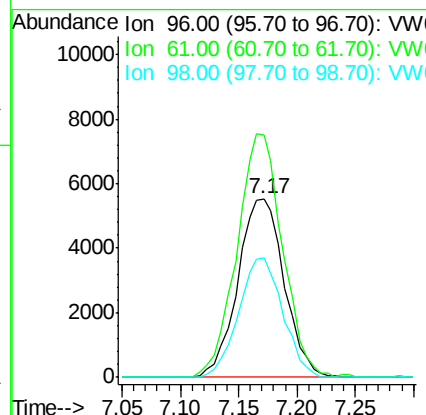
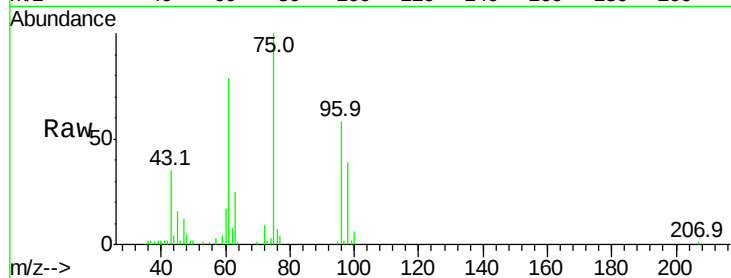


#22

cis-1,2-Dichloroethene
Concen: 2.950 ug/L
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW004364.D
Acq: 31 Jul 2018 18:04

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.582

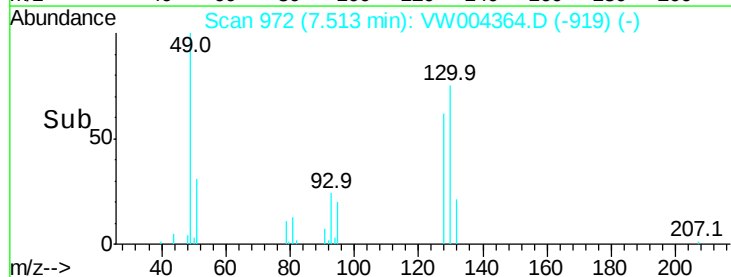
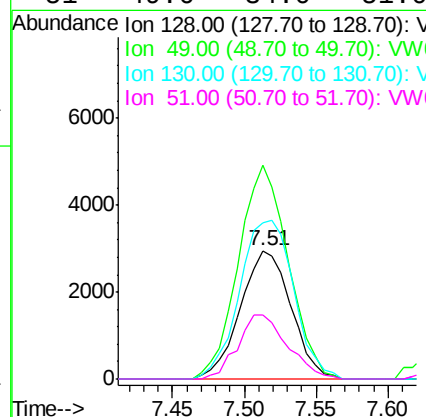
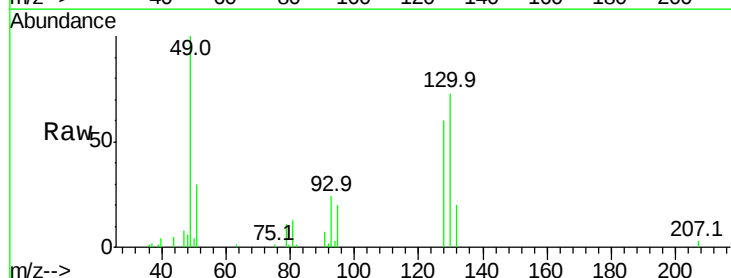
Tgt Ion: 96 Resp: 15275
Ion Ratio Lower Upper
96 100
61 136.1 85.7 159.1
98 66.7 43.8 81.3

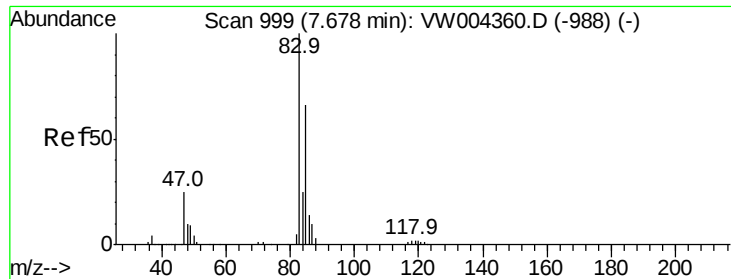


#23

Bromochloromethane
Concen: 2.949 ug/L
RT: 7.51 min Scan# 972
Delta R.T. -0.01 min
Lab File: VW004364.D
Acq: 31 Jul 2018 18:04

Tgt Ion: 128 Resp: 7229
Ion Ratio Lower Upper
128 100
49 166.4 90.9 168.7
130 121.7 93.8 174.2
51 49.6 34.0 51.0





#25

Chloroform

Concen: 3.034 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW004364.D

Acq: 31 Jul 2018 18:04

Instrument :

MSVOA_W

ClientSampleId :

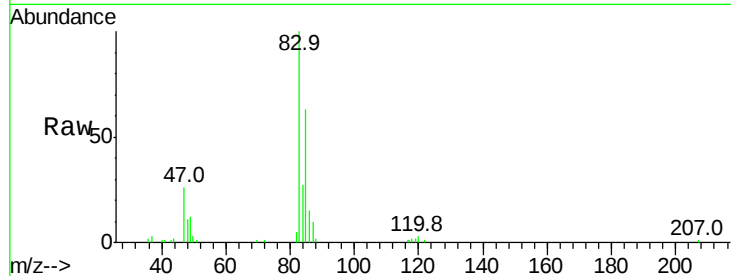
VSTD2.582

Tgt Ion: 83 Resp: 26074

Ion Ratio Lower Upper

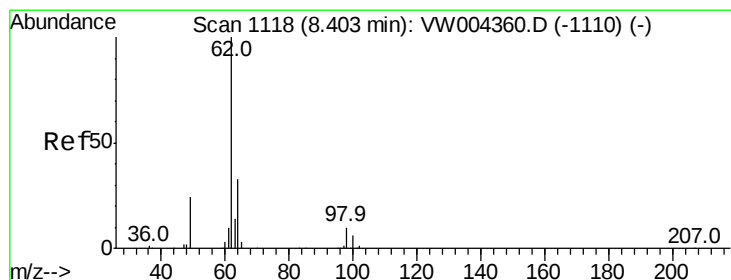
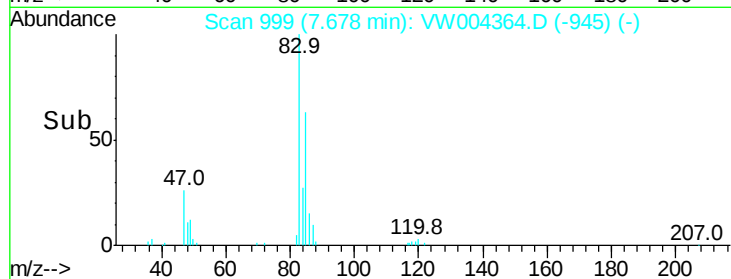
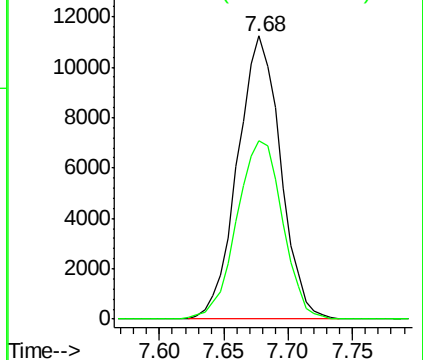
83 100

85 67.0 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 3.061 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004364.D

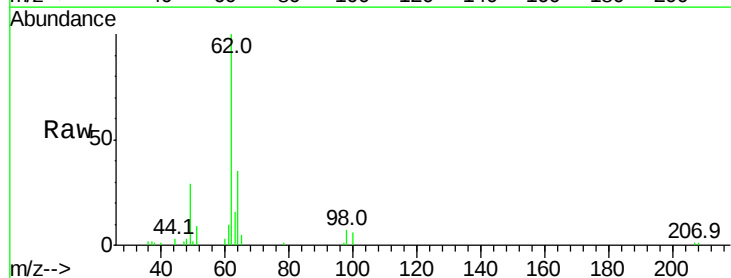
Acq: 31 Jul 2018 18:04

Tgt Ion: 62 Resp: 17620

Ion Ratio Lower Upper

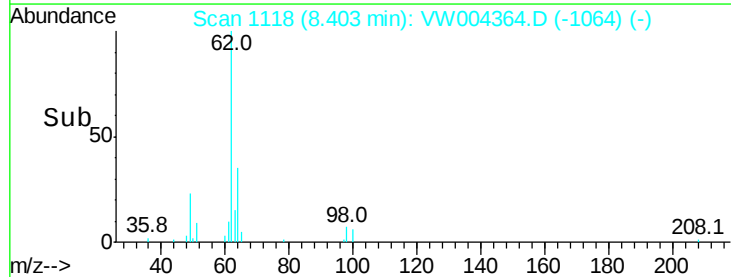
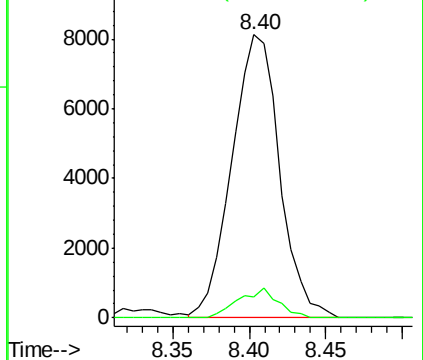
62 100

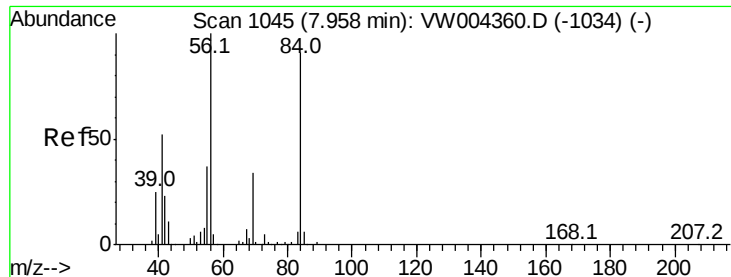
98 7.5 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

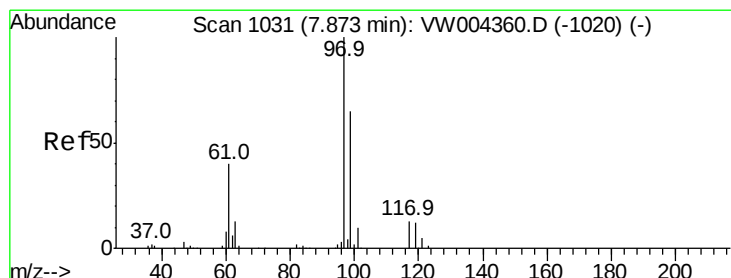
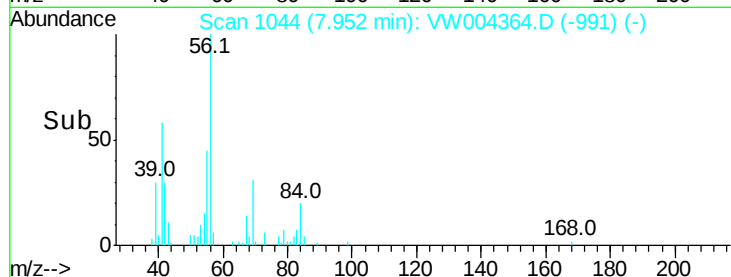
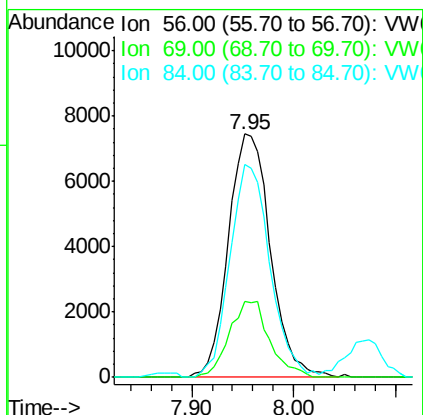
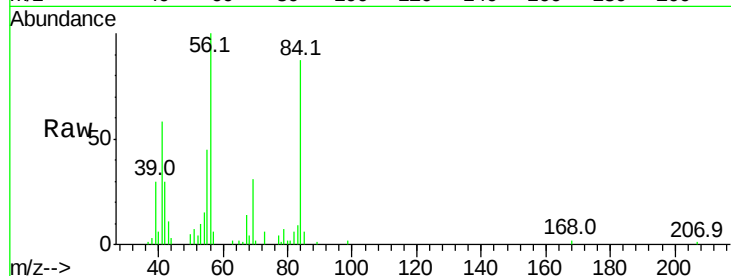




#30
Cyclohexane
Concen: 2.728 ug/L
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004364.D
Acq: 31 Jul 2018 18:04

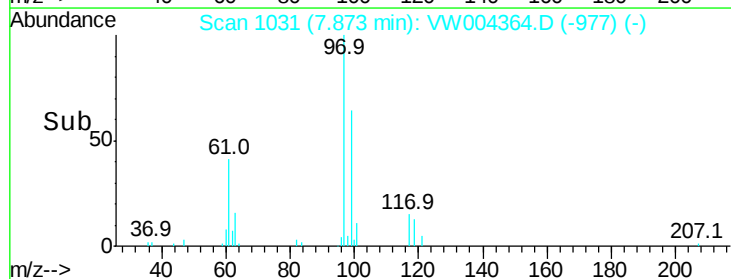
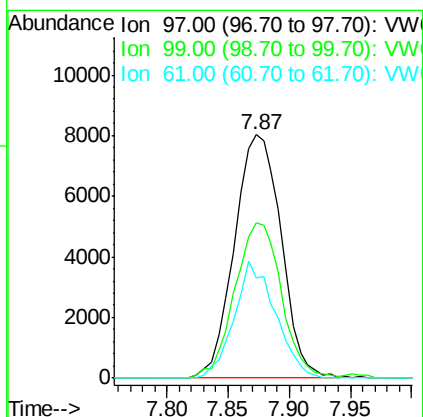
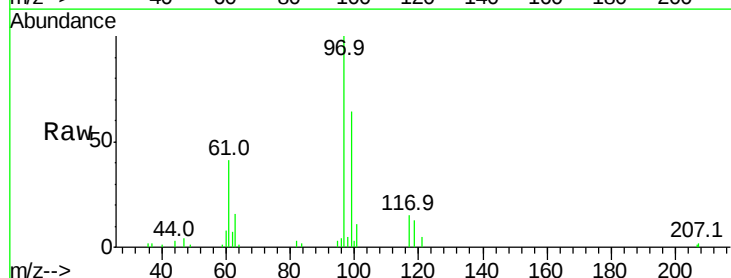
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.582

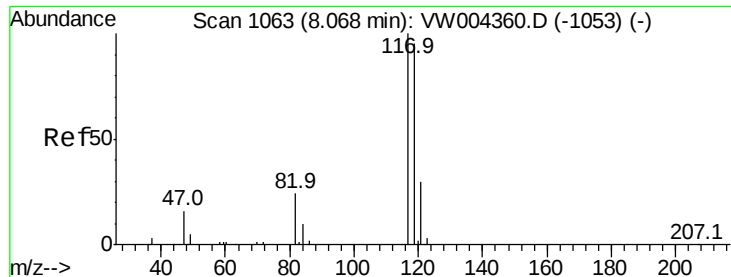
Tgt Ion: 56 Resp: 21289
Ion Ratio Lower Upper
56 100
69 29.9 25.7 38.5
84 83.3 73.8 110.6



#31
1,1,1-Trichloroethane
Concen: 2.928 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004364.D
Acq: 31 Jul 2018 18:04

Tgt Ion: 97 Resp: 21329
Ion Ratio Lower Upper
97 100
99 63.5 51.4 77.0
61 42.1 32.2 48.2





#32

Carbon tetrachloride

Concen: 2.879 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VW004364.D

Acq: 31 Jul 2018 18:04

Instrument :

MSVOA_W

ClientSampleId :

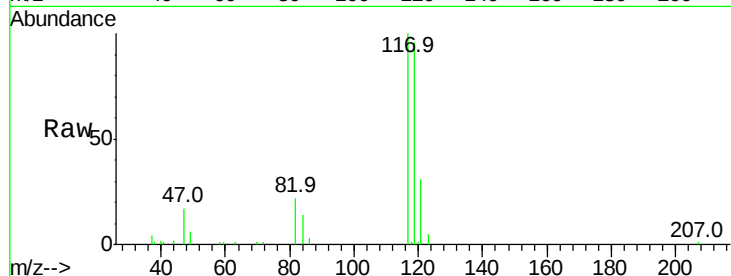
VSTD2.582

Tgt Ion:117 Resp: 20490

Ion Ratio Lower Upper

117 100

119 97.8 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

10000

8000

6000

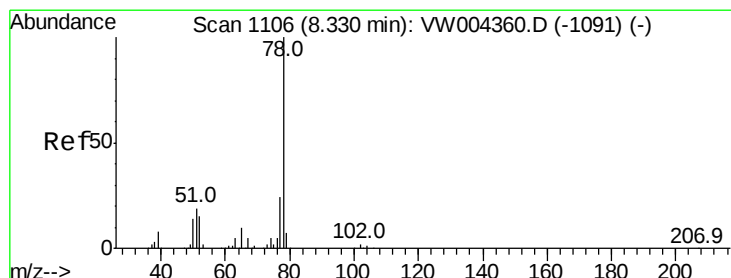
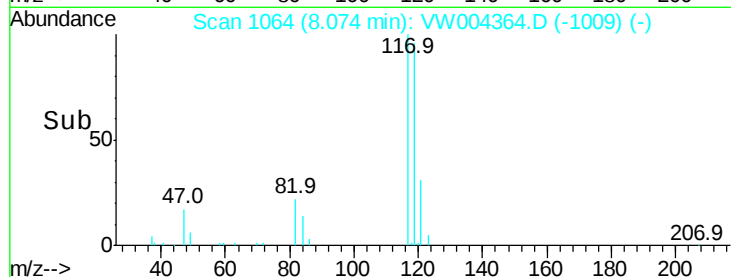
4000

2000

0

Time-->

8.00 8.05 8.10 8.15



#34

Benzene

Concen: 3.038 ug/L

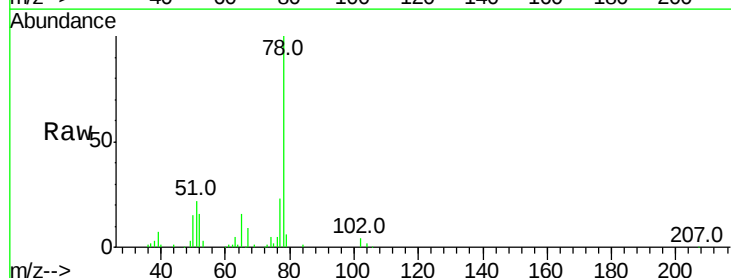
RT: 8.32 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VW004364.D

Acq: 31 Jul 2018 18:04

Tgt Ion: 78 Resp: 57857



Abundance Ion 78.00 (77.70 to 78.70): VW

30000

25000

20000

15000

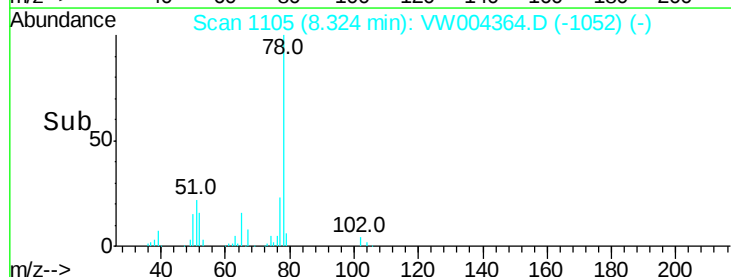
10000

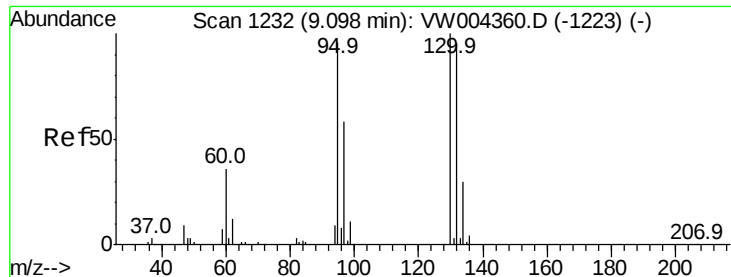
5000

0

Time-->

8.20 8.25 8.30 8.35 8.40

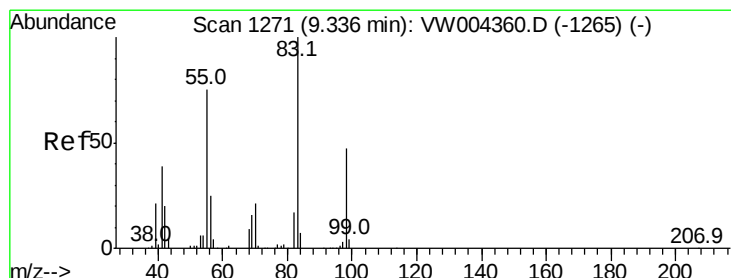
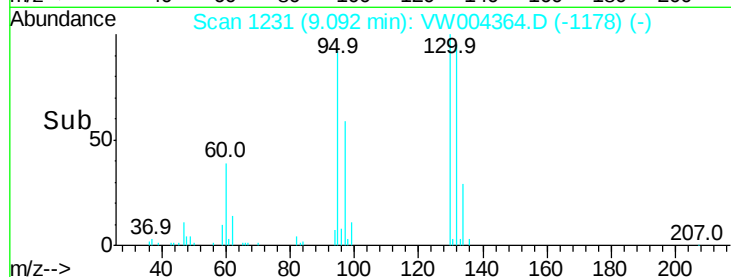
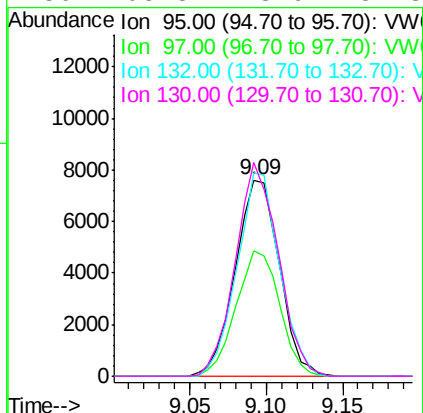
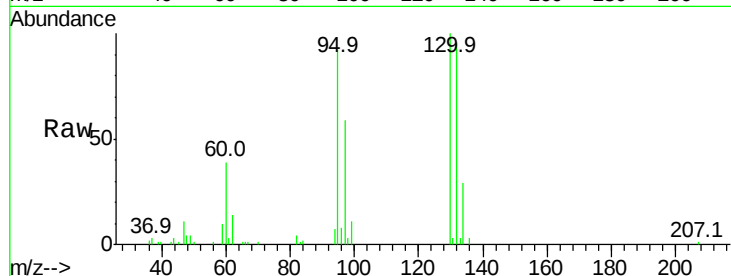




#35
 Trichloroethene
 Concen: 2.954 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VW004364.D
 Acq: 31 Jul 2018 18:04

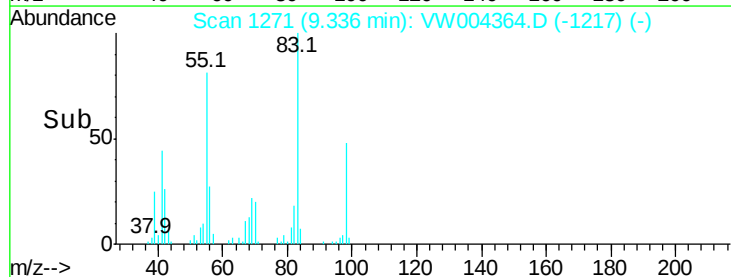
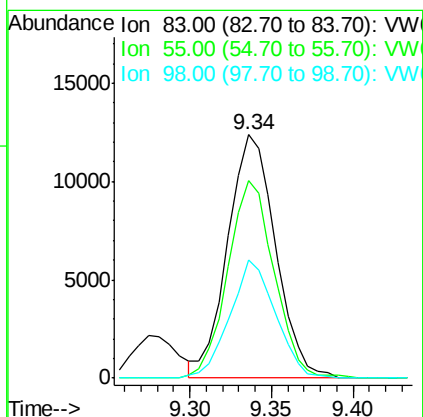
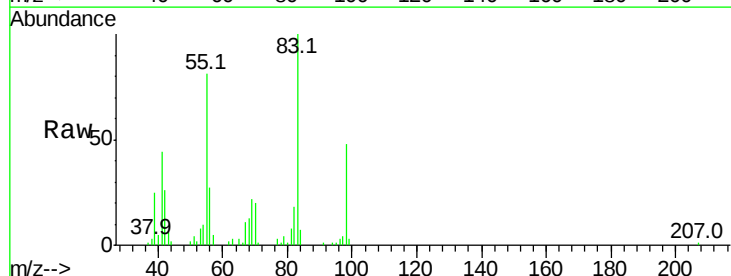
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.582

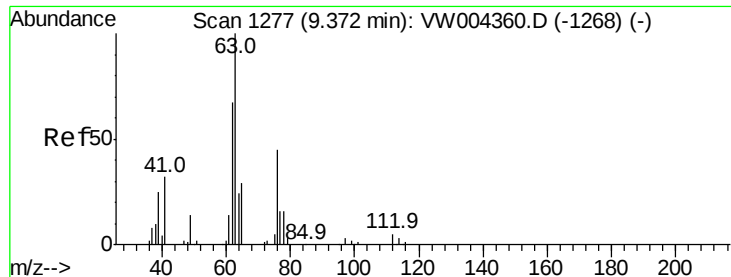
Tgt Ion: 95 Resp: 15262
 Ion Ratio Lower Upper
 95 100
 97 63.3 45.6 84.6
 132 99.9 71.2 132.2
 130 105.8 73.9 137.3



#36
 Methylcyclohexane
 Concen: 2.748 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW004364.D
 Acq: 31 Jul 2018 18:04

Tgt Ion: 83 Resp: 25355
 Ion Ratio Lower Upper
 83 100
 55 78.3 58.2 87.2
 98 46.0 37.7 56.5

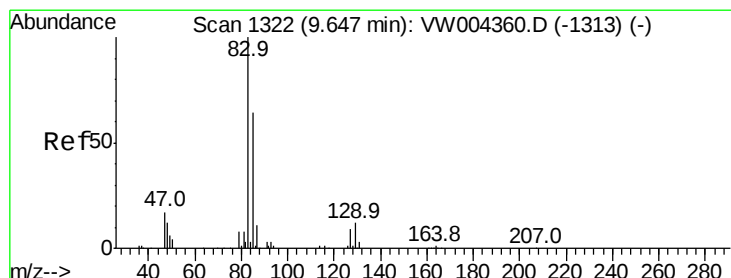
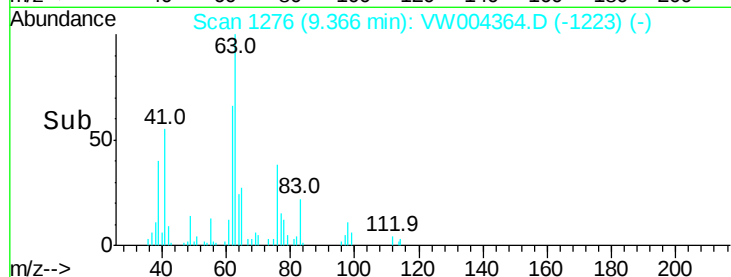
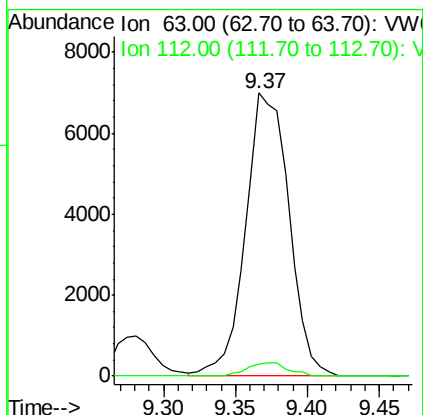
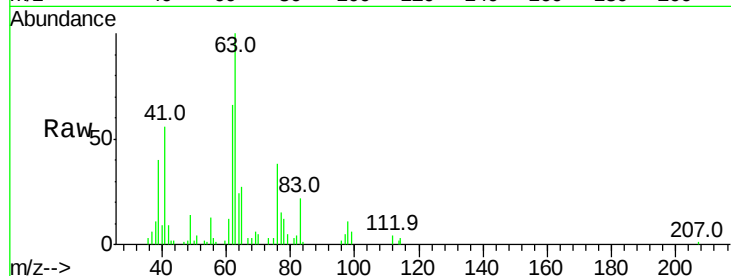




#40
1,2-Dichloropropane
Concen: 3.099 ug/L
RT: 9.37 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VW004364.D
Acq: 31 Jul 2018 18:04

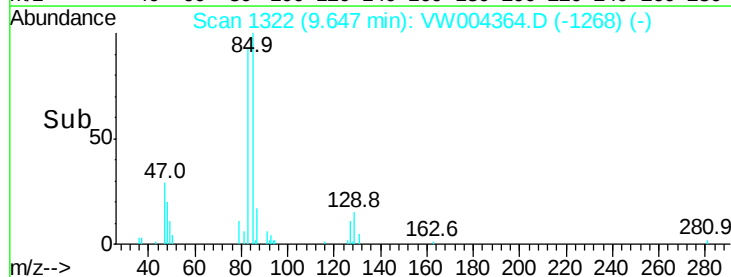
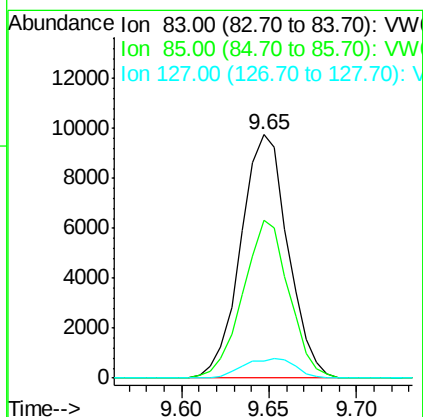
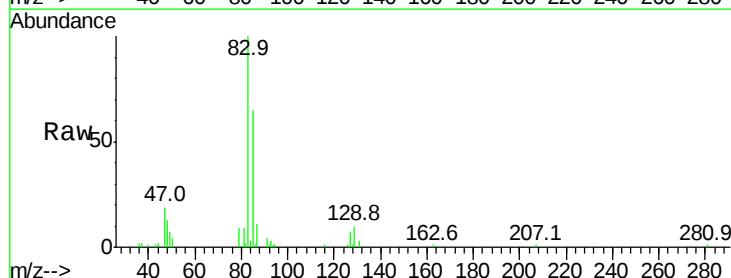
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.582

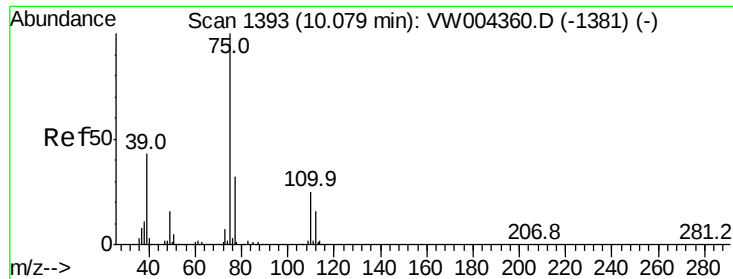
Tgt Ion: 63 Resp: 14616
Ion Ratio Lower Upper
63 100
112 4.4 3.4 5.2



#41
Bromodichloromethane
Concen: 2.934 ug/L
RT: 9.65 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VW004364.D
Acq: 31 Jul 2018 18:04

Tgt Ion: 83 Resp: 18315
Ion Ratio Lower Upper
83 100
85 65.1 44.9 83.3
127 7.2 7.4 11.0#





#42

cis-1,3-Dichloropropene

Concen: 2.781 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004364.D

Acq: 31 Jul 2018 18:04

Instrument :

MSVOA_W

ClientSampleId :

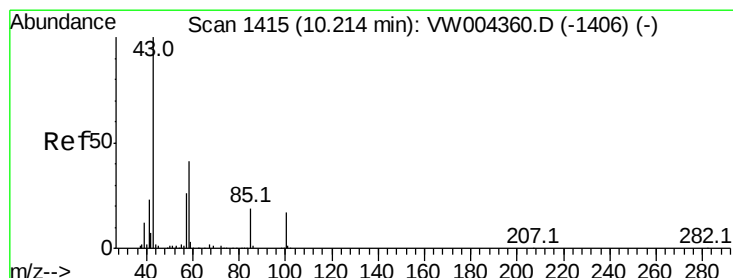
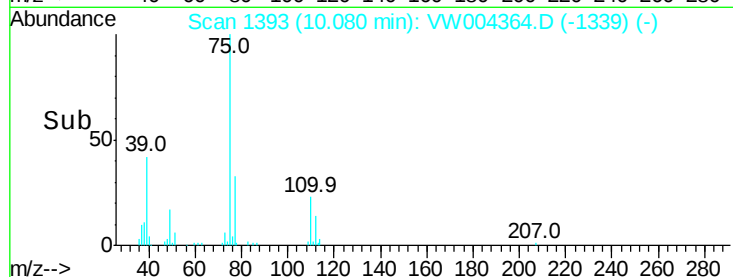
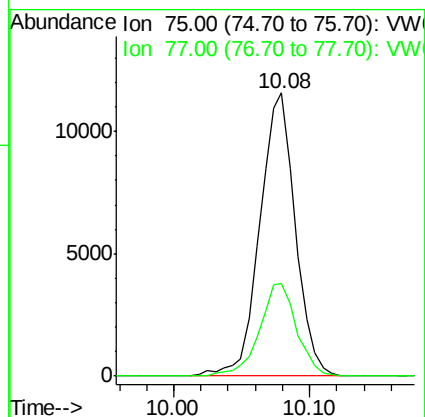
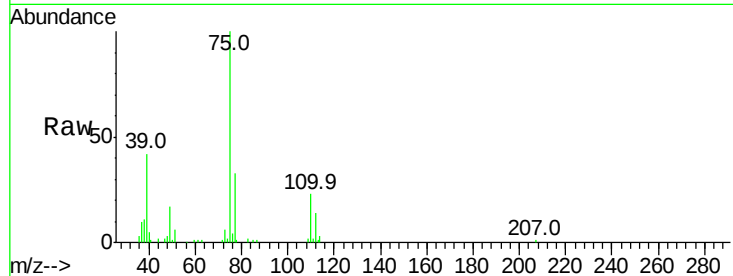
VSTD2.582

Tgt Ion: 75 Resp: 21119

Ion Ratio Lower Upper

75 100

77 32.7 22.0 41.0



#43

4-Methyl-2-pentanone

Concen: 5.631 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004364.D

Acq: 31 Jul 2018 18:04

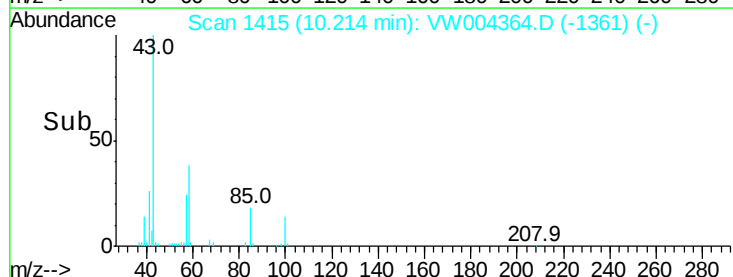
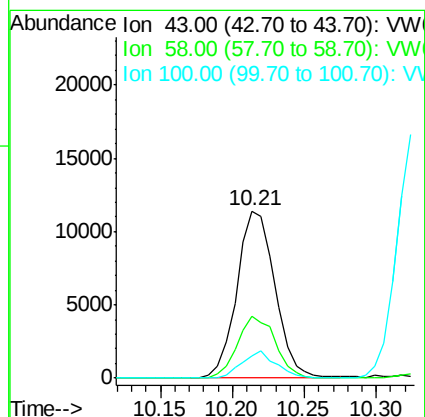
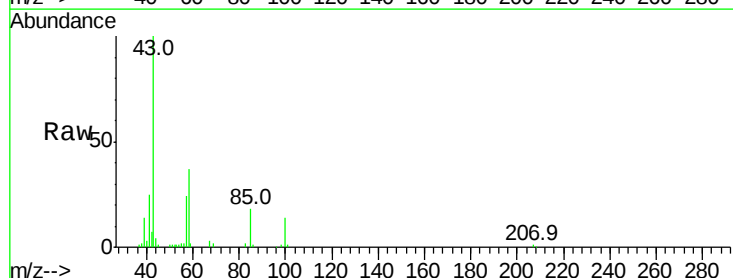
Tgt Ion: 43 Resp: 21098

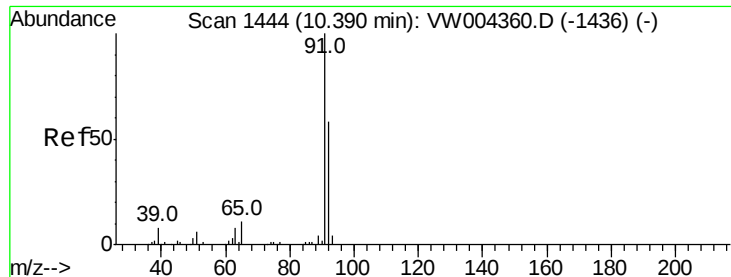
Ion Ratio Lower Upper

43 100

58 36.7 32.3 48.5

100 14.2 13.9 20.9





#44

Toluene

Concen: 2.872 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004364.D

Acq: 31 Jul 2018 18:04

Instrument :

MSVOA_W

ClientSampleId :

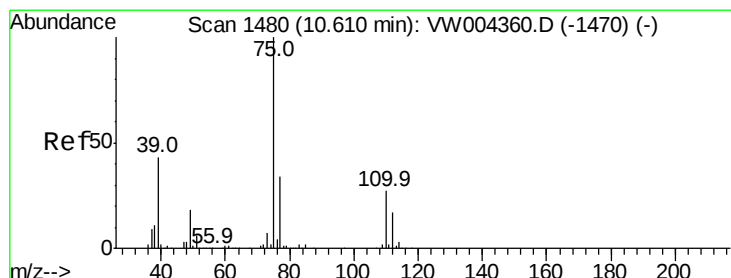
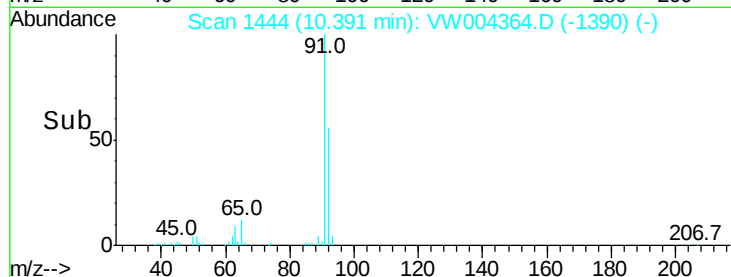
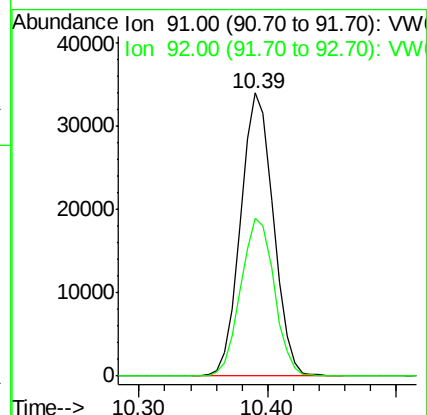
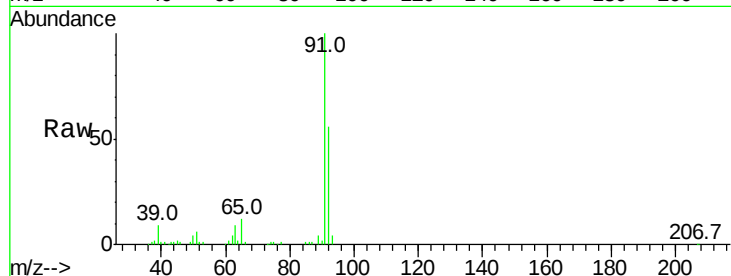
VSTD2.582

Tgt Ion: 91 Resp: 59938

Ion Ratio Lower Upper

91 100

92 55.8 40.9 75.9



#45

trans-1,3-Dichloropropene

Concen: 2.732 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004364.D

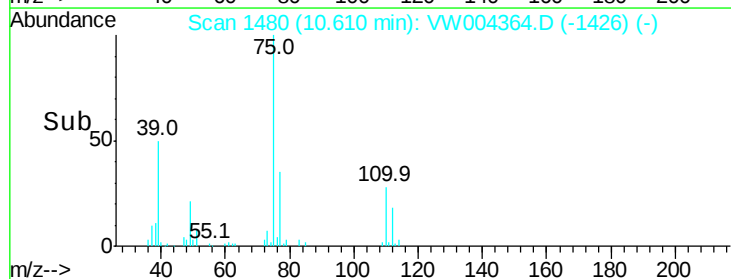
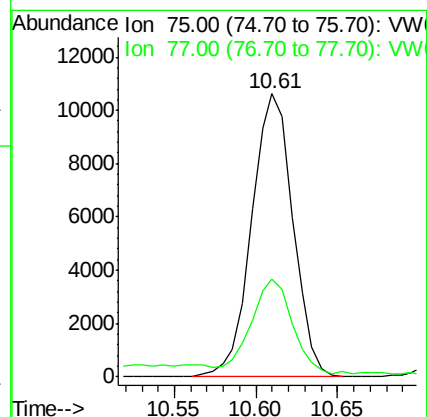
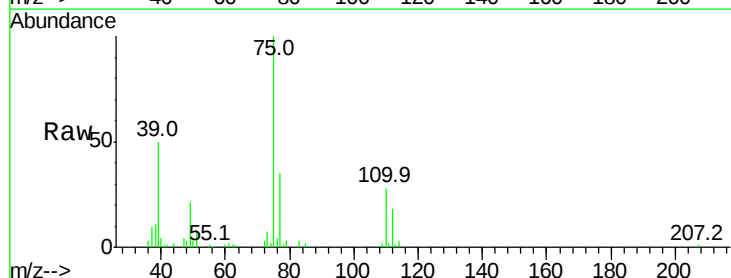
Acq: 31 Jul 2018 18:04

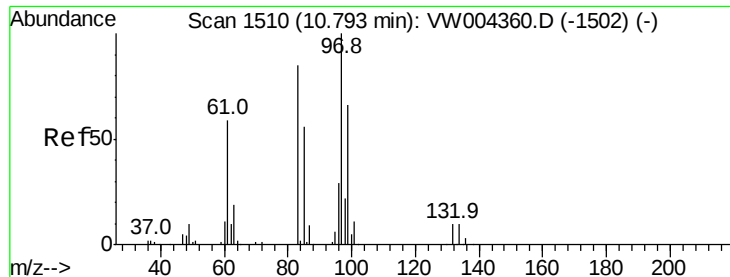
Tgt Ion: 75 Resp: 18740

Ion Ratio Lower Upper

75 100

77 34.7 23.9 44.5

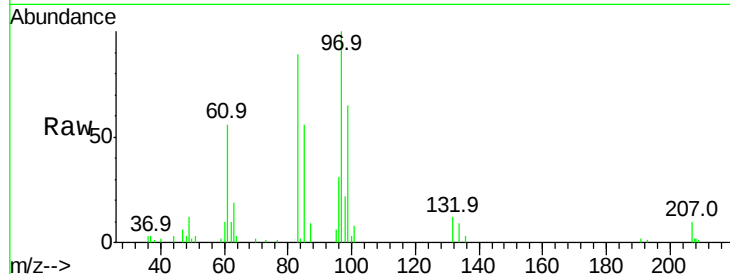




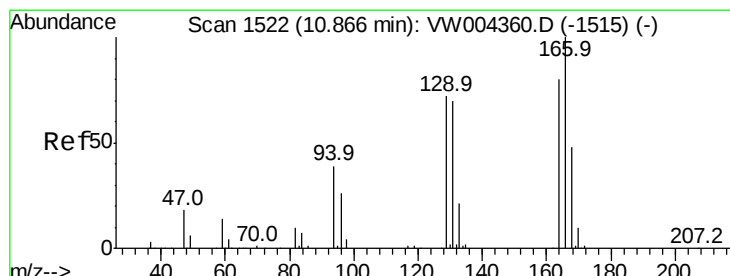
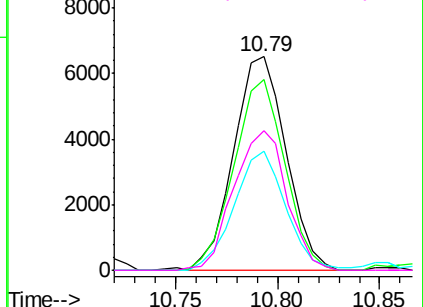
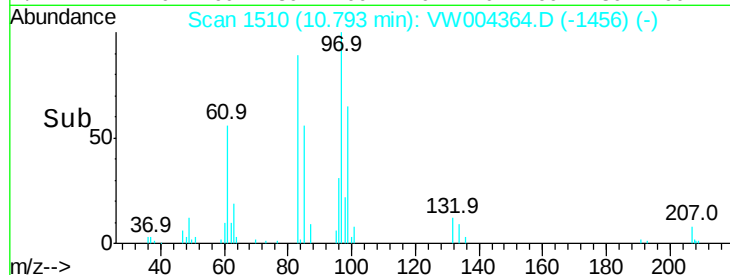
#46
 1,1,2-Trichloroethane
 Concen: 2.915 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004364.D
 Acq: 31 Jul 2018 18:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.582

Tgt Ion: 97 Resp: 11644
 Ion Ratio Lower Upper
 97 100
 83 89.0 59.4 110.2
 85 55.7 39.0 72.4
 99 65.1 46.0 85.4

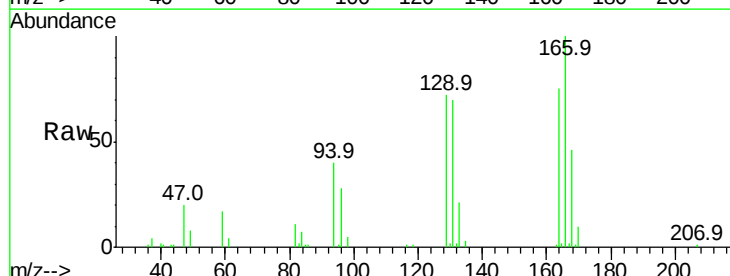


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

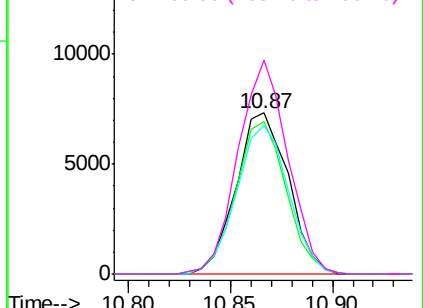
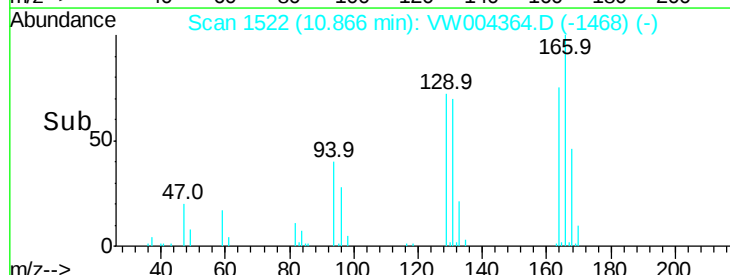


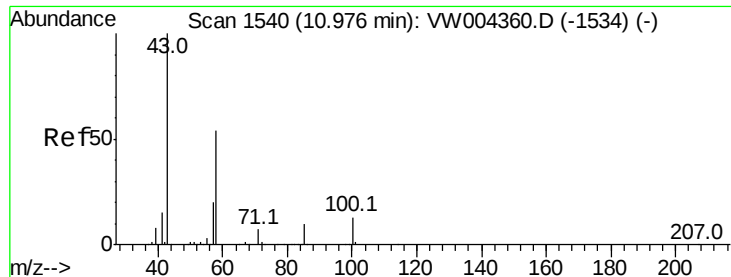
#47
 Tetrachloroethene
 Concen: 2.900 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004364.D
 Acq: 31 Jul 2018 18:04

Tgt Ion: 164 Resp: 12997
 Ion Ratio Lower Upper
 164 100
 129 95.1 63.7 118.3
 131 92.5 61.6 114.4
 166 132.9 87.9 163.3



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

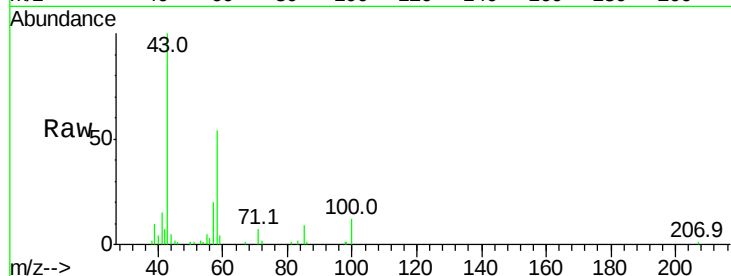




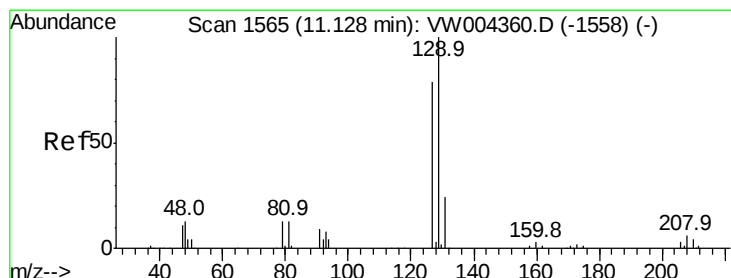
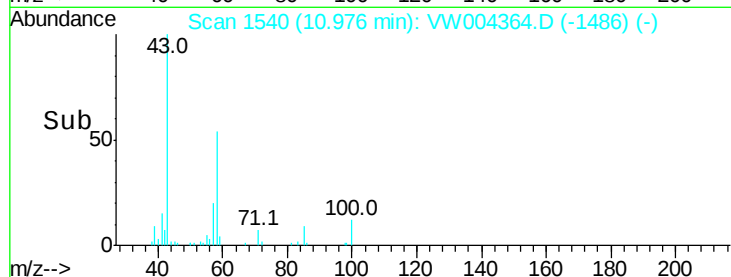
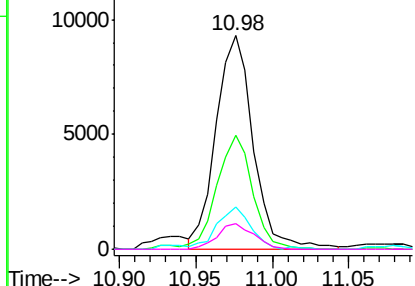
#49
2-Hexanone
Concen: 5.699 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004364.D
Acq: 31 Jul 2018 18:04

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.582

Tgt Ion: 43 Resp: 15753
Ion Ratio Lower Upper
43 100
58 50.7 44.0 66.0
57 17.6 16.0 24.0
100 11.6 10.7 16.1

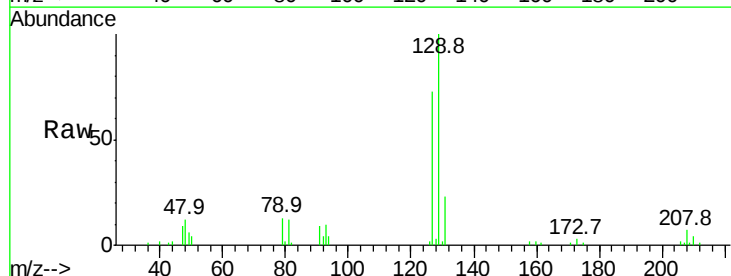


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

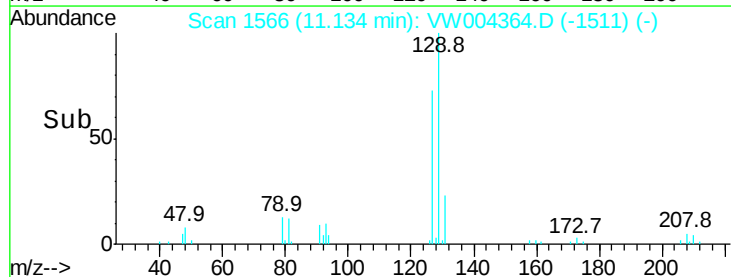
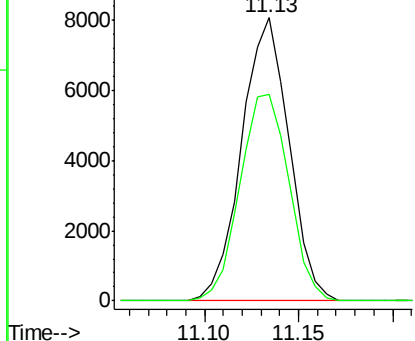


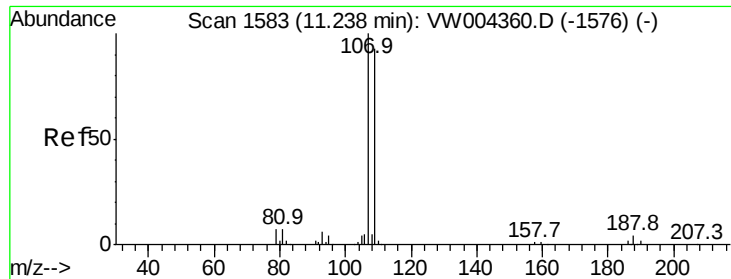
#50
Dibromochloromethane
Concen: 2.909 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VW004364.D
Acq: 31 Jul 2018 18:04

Tgt Ion: 129 Resp: 14067
Ion Ratio Lower Upper
129 100
127 73.1 55.6 103.2



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

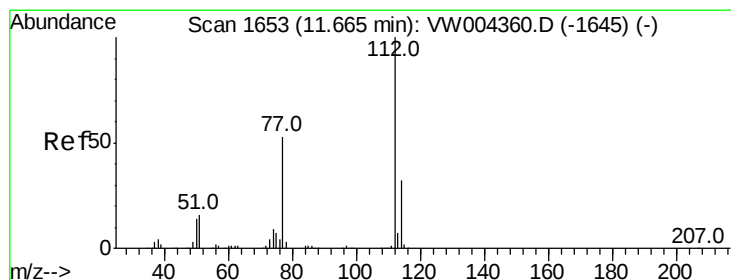
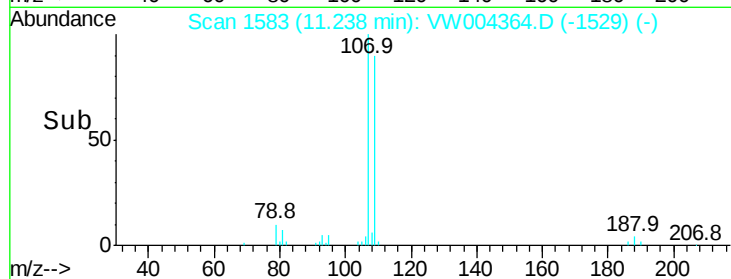
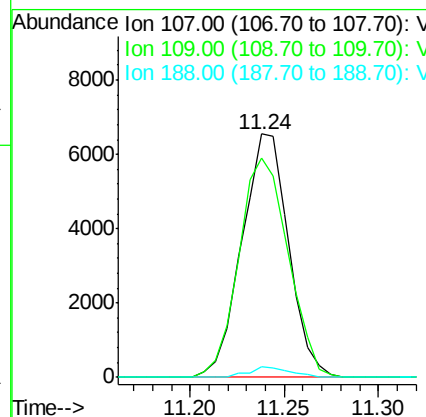
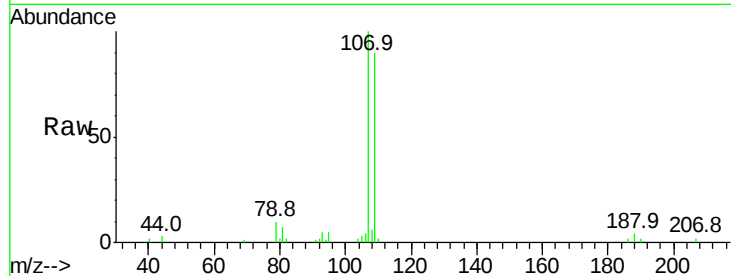




#51
 1,2-Dibromoethane
 Concen: 2.835 ug/L
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004364.D
 Acq: 31 Jul 2018 18:04

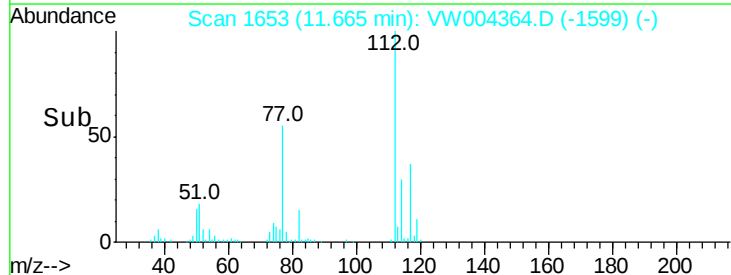
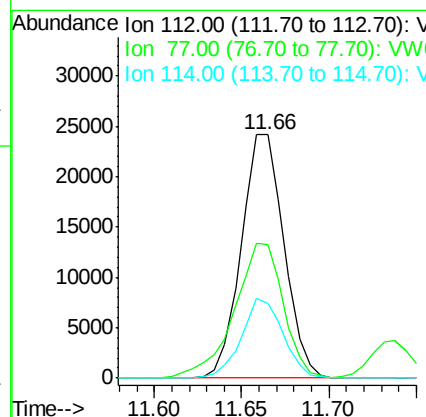
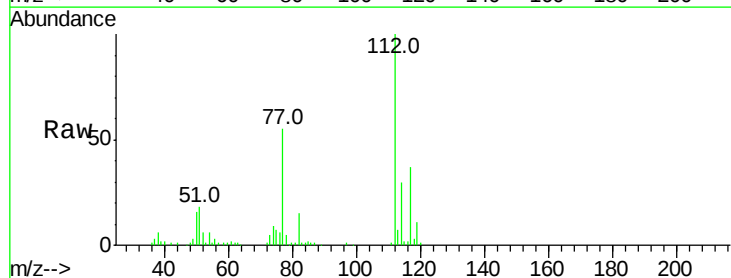
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.582

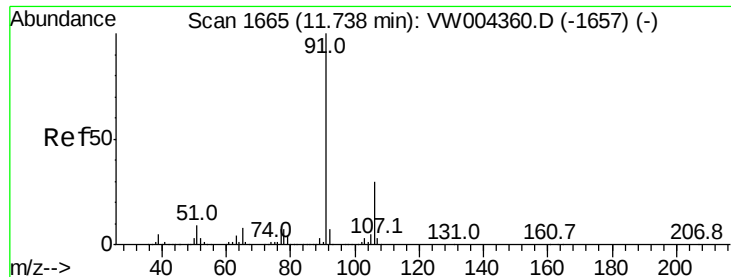
Tgt Ion:107 Resp: 11263
 Ion Ratio Lower Upper
 107 100
 109 89.9 65.1 120.9
 188 4.2 3.2 4.8



#52
 Chlorobenzene
 Concen: 2.972 ug/L
 RT: 11.66 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: VW004364.D
 Acq: 31 Jul 2018 18:04

Tgt Ion:112 Resp: 41054
 Ion Ratio Lower Upper
 112 100
 77 54.8 42.9 64.3
 114 30.5 22.0 41.0





#53

Ethylbenzene

Concen: 2.812 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004364.D

Acq: 31 Jul 2018 18:04

Instrument :

MSVOA_W

ClientSampleId :

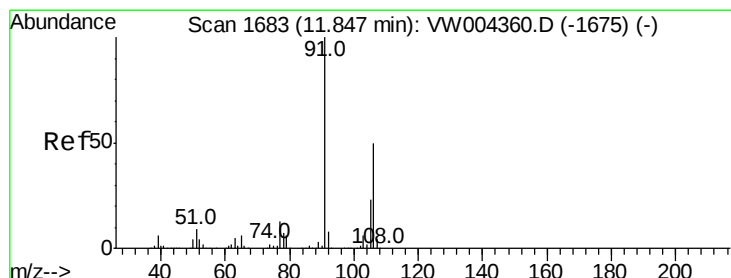
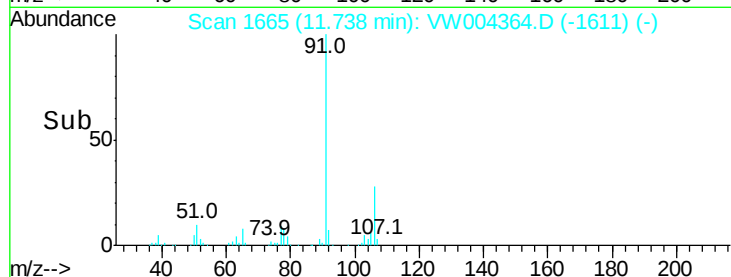
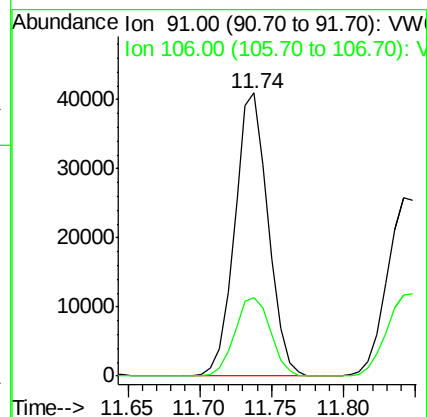
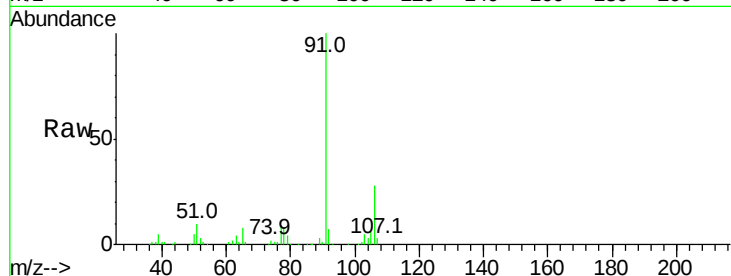
VSTD2.582

Tgt Ion: 91 Resp: 66032

Ion Ratio Lower Upper

91 100

106 27.8 20.7 38.5



#54

m,p-Xylene

Concen: 2.661 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW004364.D

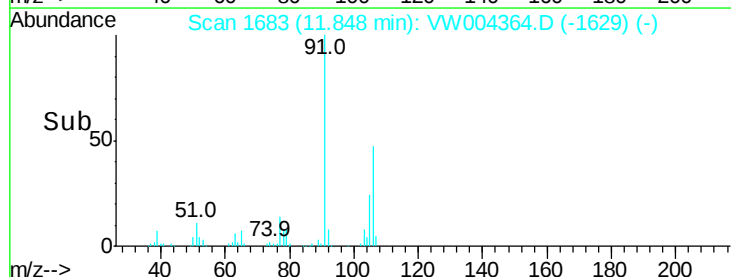
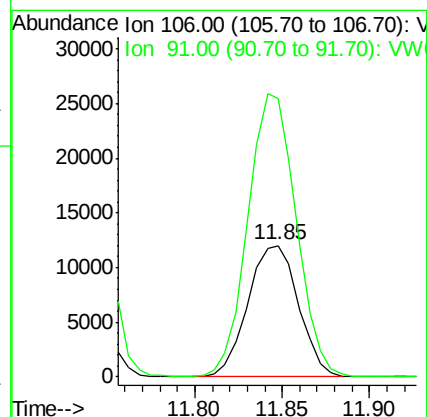
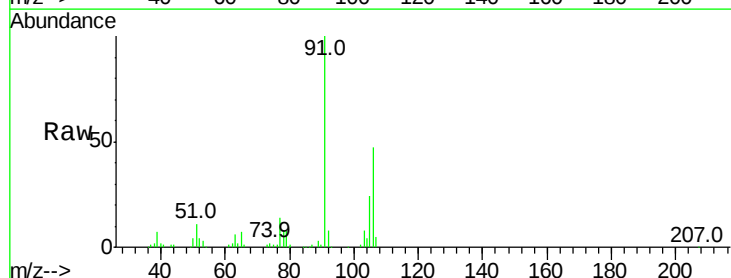
Acq: 31 Jul 2018 18:04

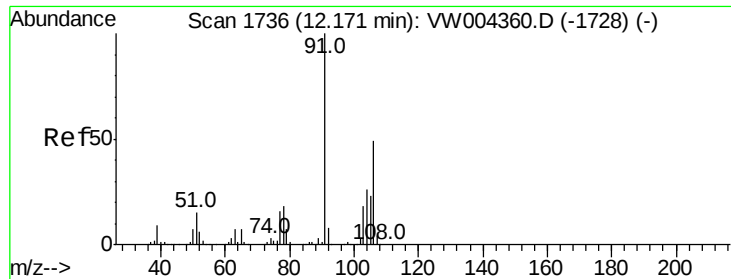
Tgt Ion: 106 Resp: 24152

Ion Ratio Lower Upper

106 100

91 212.1 139.2 258.6

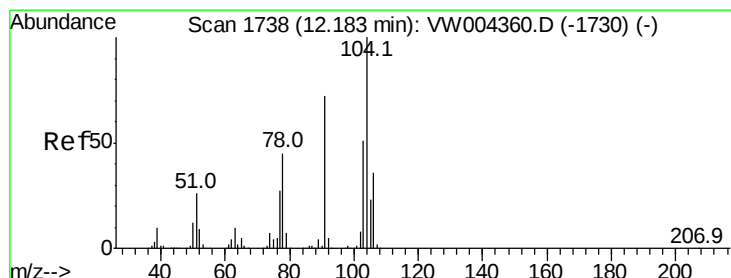
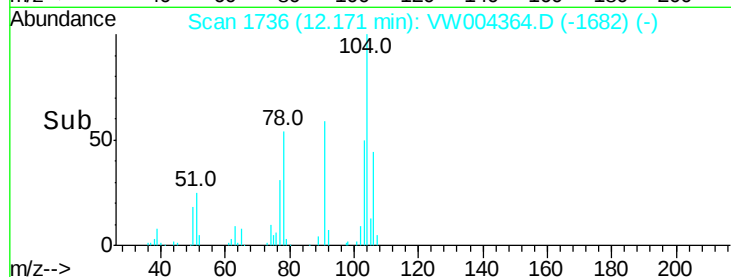
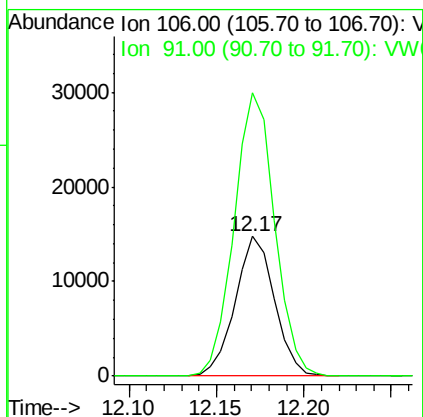
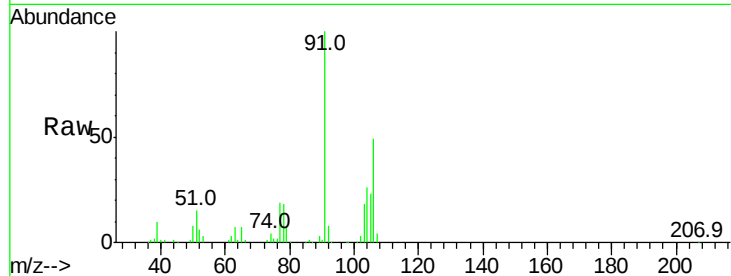




#55
o-xylene
Concen: 2.723 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004364.D
Acq: 31 Jul 2018 18:04

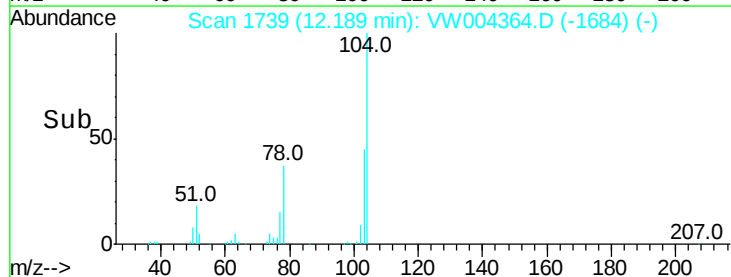
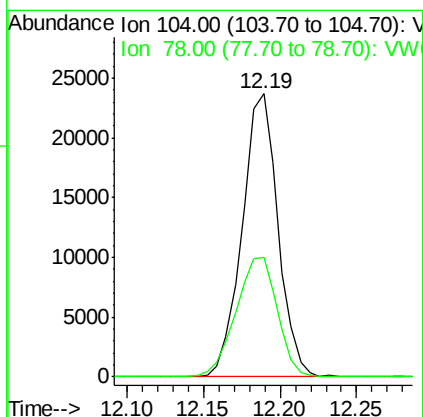
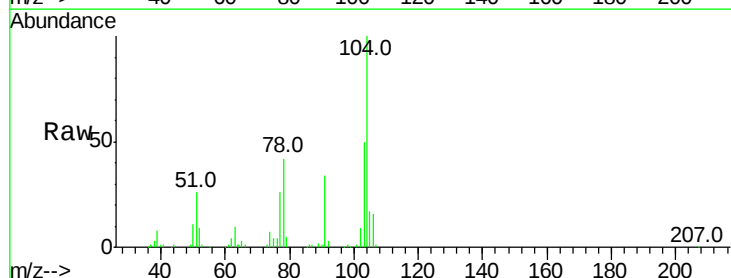
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.582

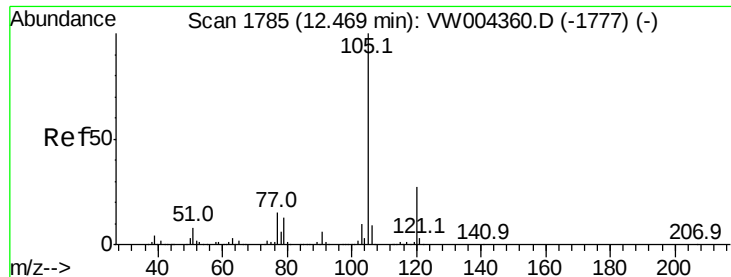
Tgt Ion:106 Resp: 23043
Ion Ratio Lower Upper
106 100
91 202.6 143.4 266.4



#56
Styrene
Concen: 2.645 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW004364.D
Acq: 31 Jul 2018 18:04

Tgt Ion:104 Resp: 38584
Ion Ratio Lower Upper
104 100
78 42.3 31.7 58.9





#57

Isopropylbenzene

Concen: 2.575 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004364.D

Acq: 31 Jul 2018 18:04

Instrument :

MSVOA_W

ClientSampled :

VSTD2.582

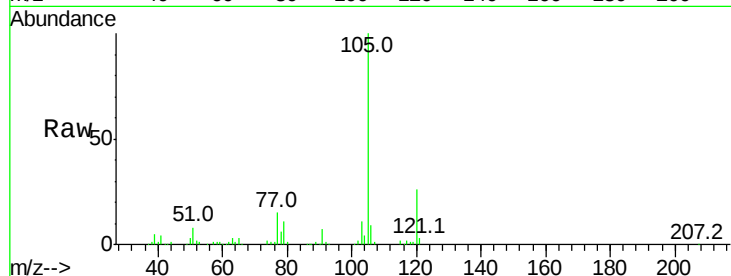
Tgt Ion:105 Resp: 61813

Ion Ratio Lower Upper

105 100

120 27.2 21.8 32.8

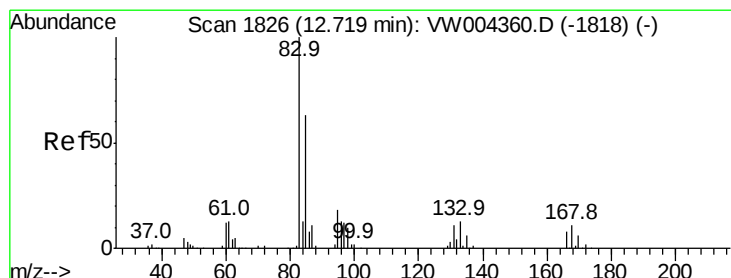
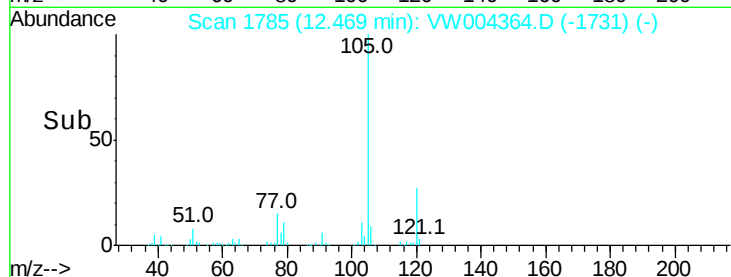
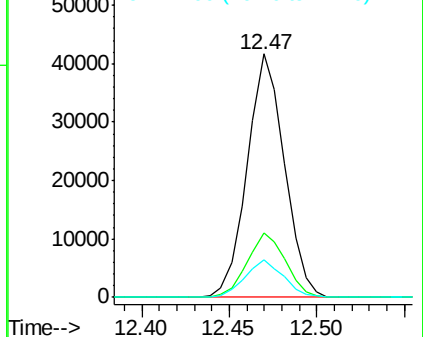
77 15.6 11.8 17.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.997 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004364.D

Acq: 31 Jul 2018 18:04

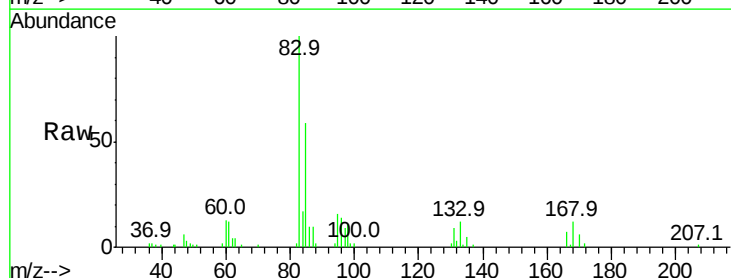
Tgt Ion: 83 Resp: 16080

Ion Ratio Lower Upper

83 100

85 59.5 44.3 82.3

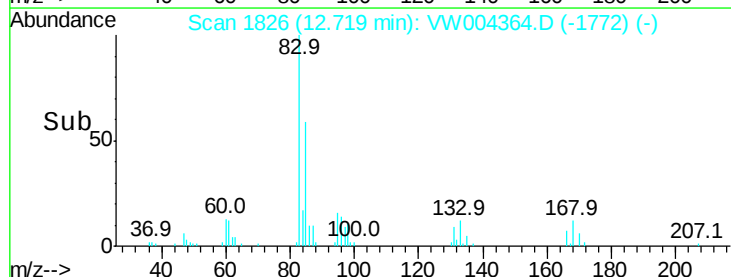
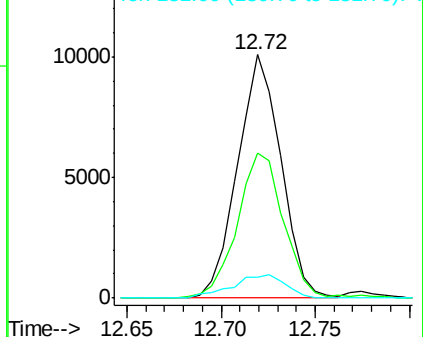
131 8.8 9.1 13.7#

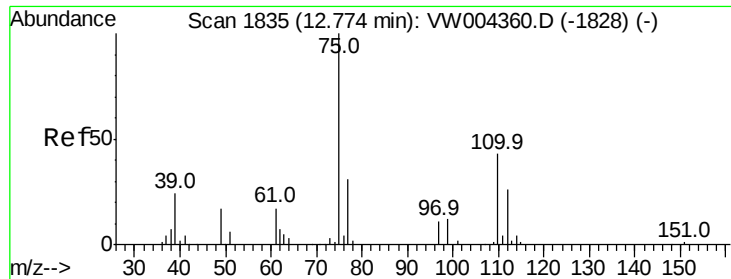


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

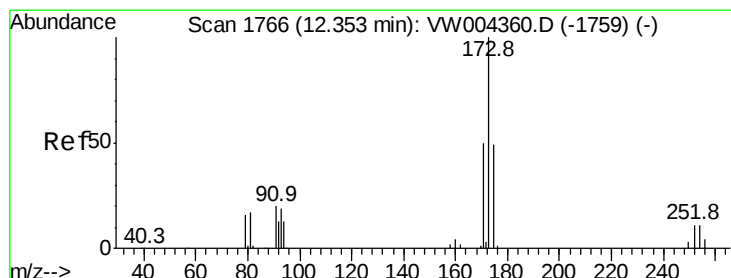
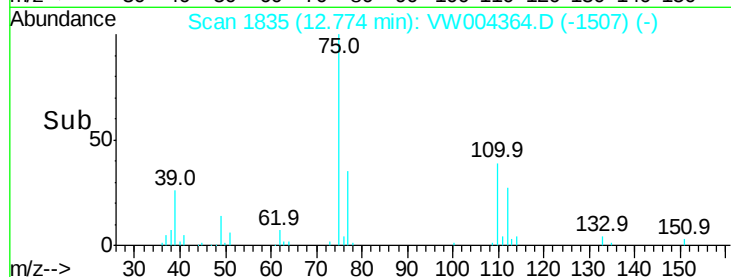
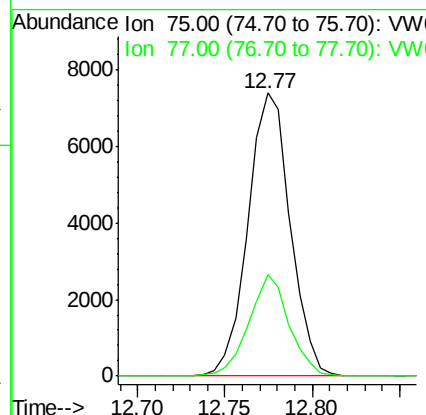
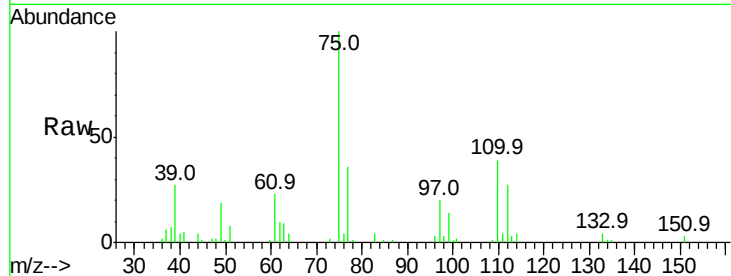




#59
 1,2,3-Trichloropropane
 Concen: 3.032 ug/L
 RT: 12.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VW004364.D
 Acq: 31 Jul 2018 18:04

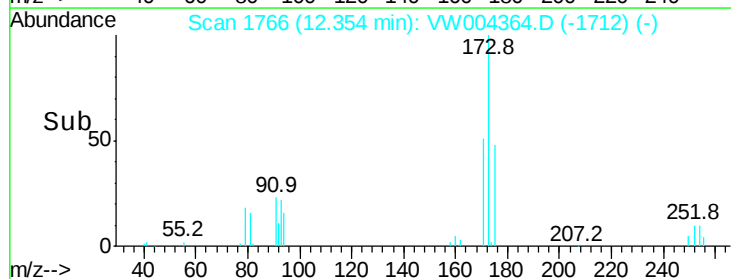
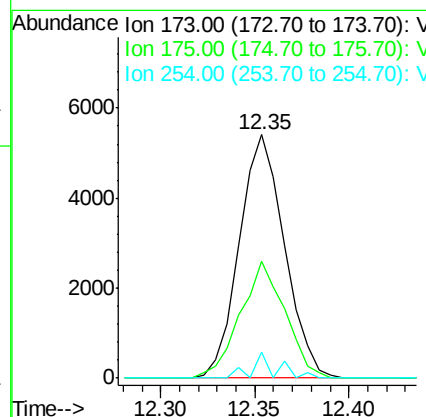
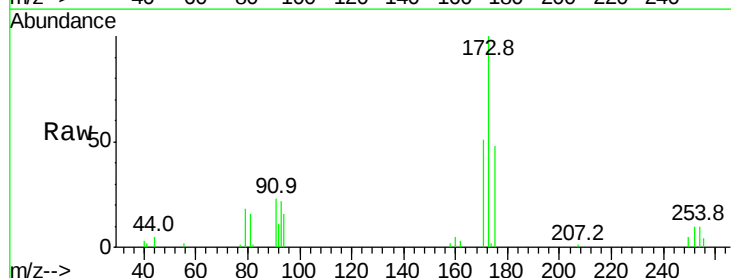
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.582

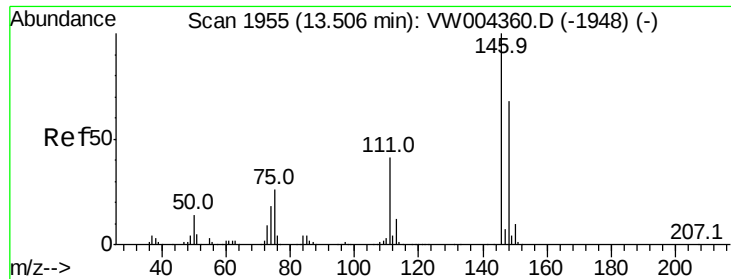
Tgt Ion: 75 Resp: 12449
 Ion Ratio Lower Upper
 75 100
 77 34.3 26.6 40.0



#62
 Bromoform
 Concen: 2.815 ug/L
 RT: 12.35 min Scan# 1766
 Delta R.T. 0.00 min
 Lab File: VW004364.D
 Acq: 31 Jul 2018 18:04

Tgt Ion: 173 Resp: 8969
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.8 59.8
 254 2.3 8.6 12.8#

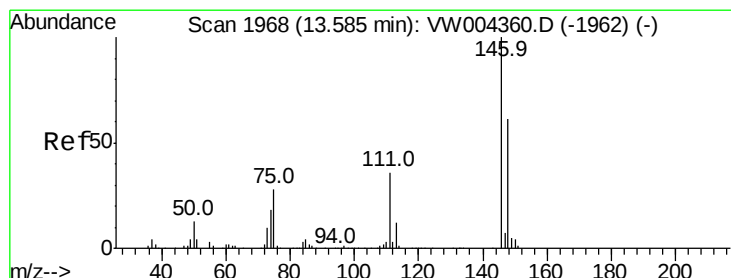
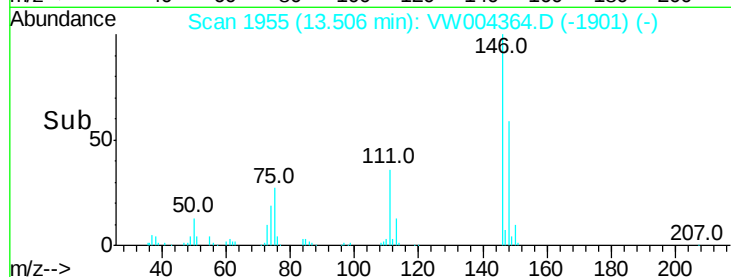
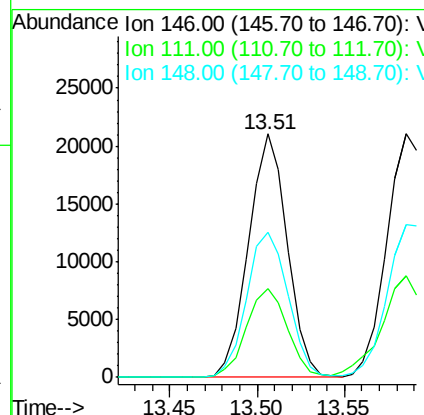
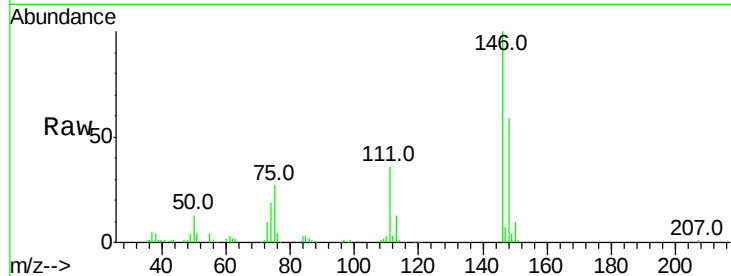




#63
 1,3-Dichlorobenzene
 Concen: 2.879 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004364.D
 Acq: 31 Jul 2018 18:04

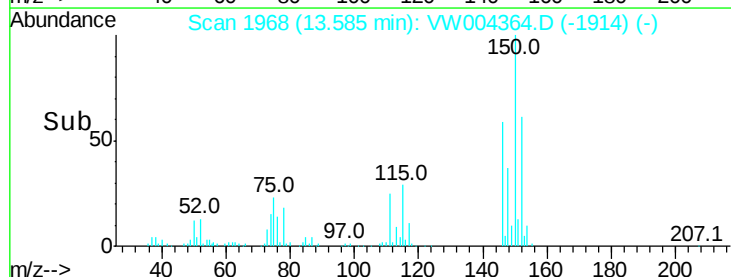
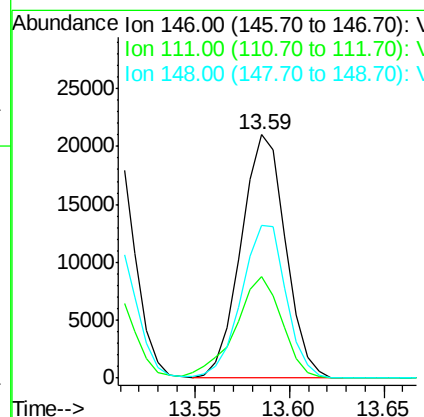
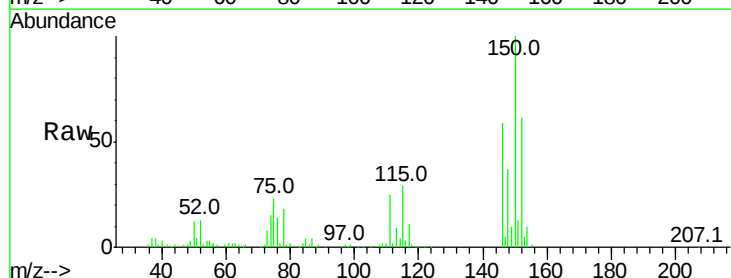
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.582

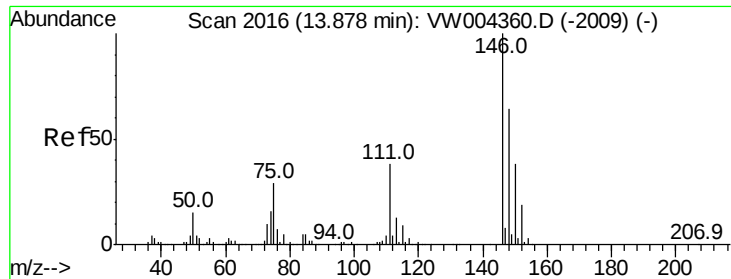
Tgt Ion:146 Resp: 32312
 Ion Ratio Lower Upper
 146 100
 111 36.2 28.6 53.2
 148 59.4 47.7 88.5



#64
 1,4-Dichlorobenzene
 Concen: 3.010 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004364.D
 Acq: 31 Jul 2018 18:04

Tgt Ion:146 Resp: 34397
 Ion Ratio Lower Upper
 146 100
 111 42.0 25.4 47.2
 148 62.6 42.8 79.6

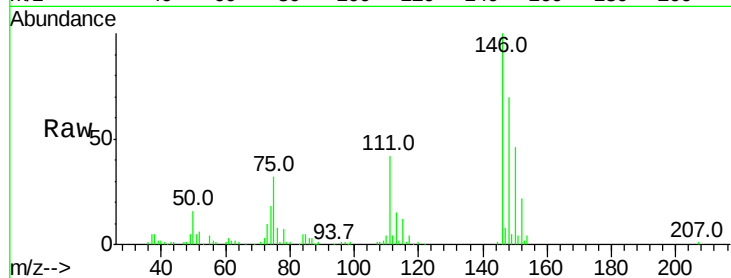




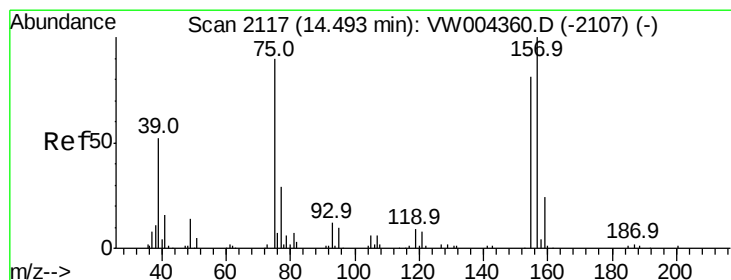
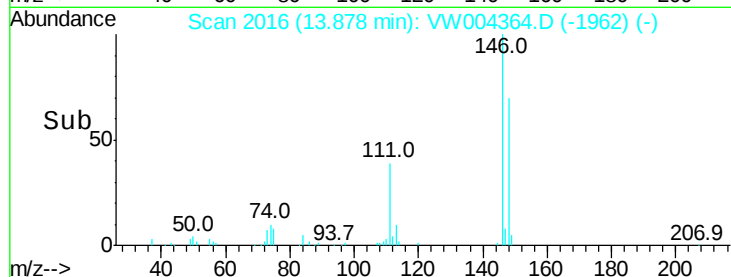
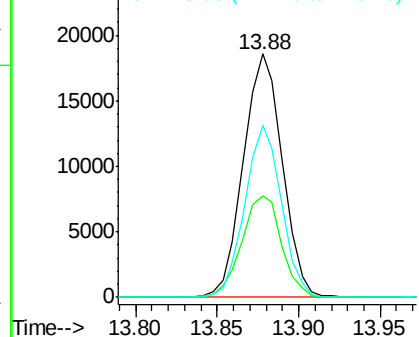
#65
 1,2-Dichlorobenzene
 Concen: 2.958 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004364.D
 Acq: 31 Jul 2018 18:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.582

Tgt Ion: 146 Resp: 30902
 Ion Ratio Lower Upper
 146 100
 111 41.8 30.2 45.4
 148 70.4 51.0 76.4

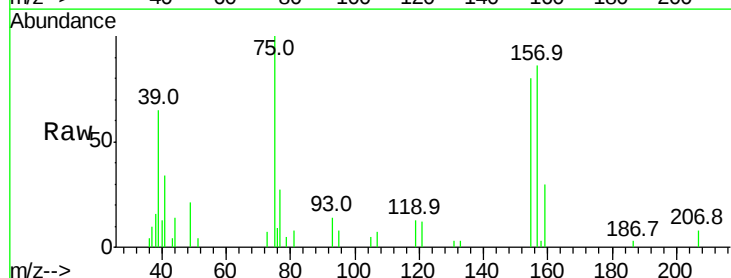


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

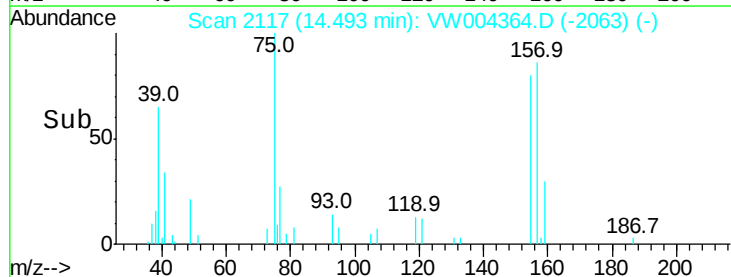
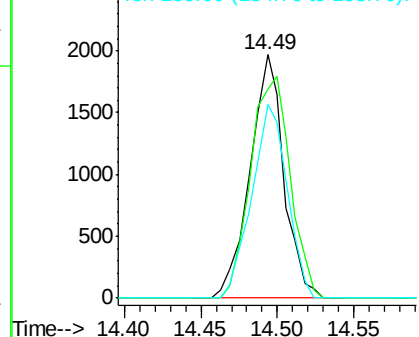


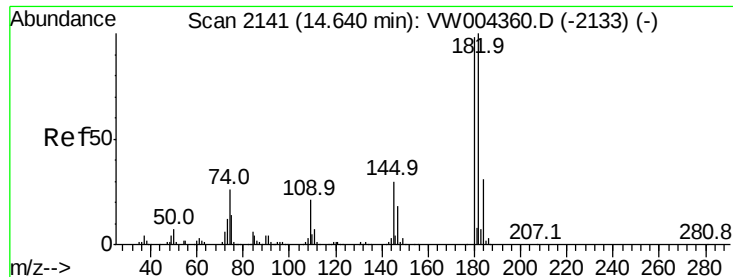
#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.045 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004364.D
 Acq: 31 Jul 2018 18:04

Tgt Ion: 75 Resp: 3013
 Ion Ratio Lower Upper
 75 100
 157 86.0 88.6 132.8#
 155 79.6 71.8 107.6



Abundance Ion 75.00 (74.70 to 75.70): VW
 Ion 157.00 (156.70 to 157.70): V
 Ion 155.00 (154.70 to 155.70): V

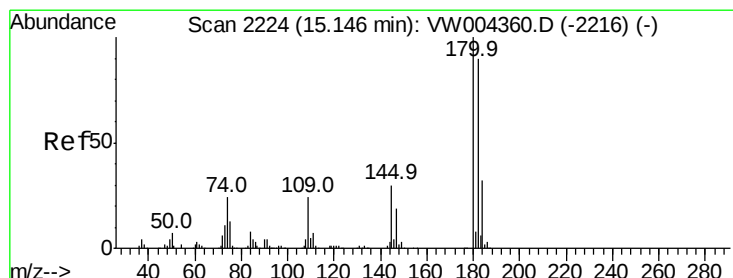
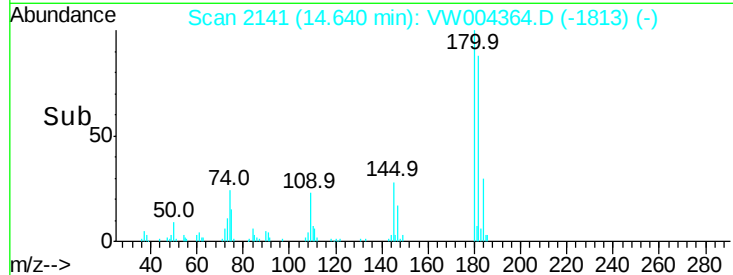
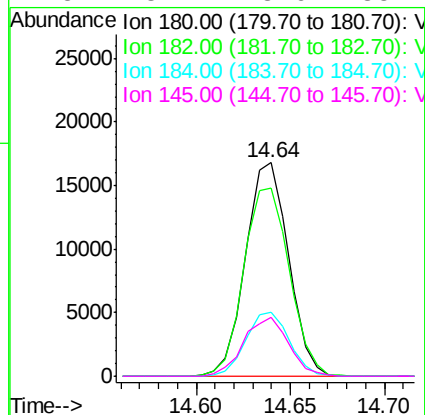
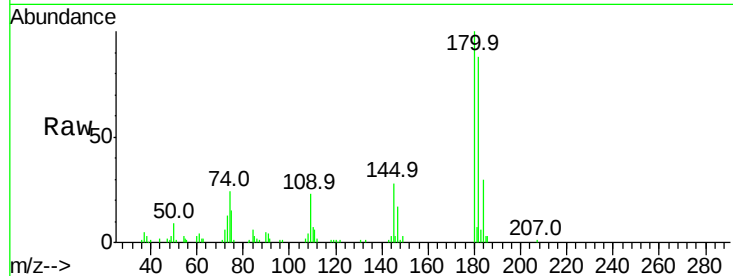




#67
 1,3,5-Trichlorobenzene
 Concen: 3.012 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004364.D
 Acq: 31 Jul 2018 18:04

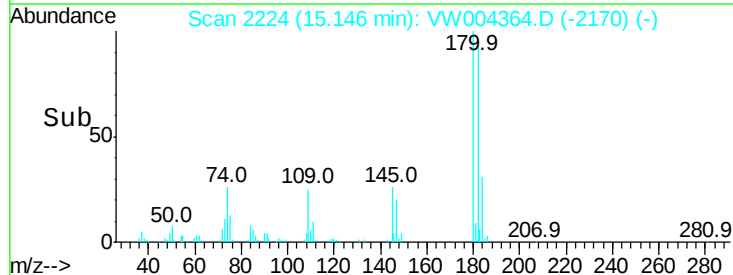
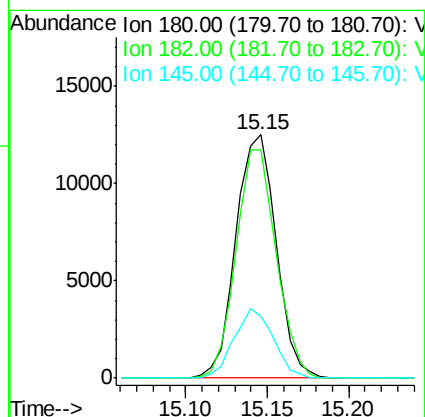
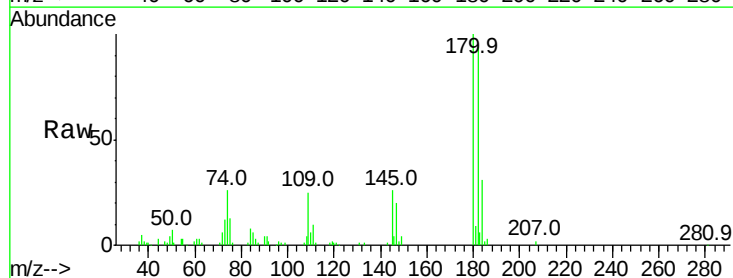
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.582

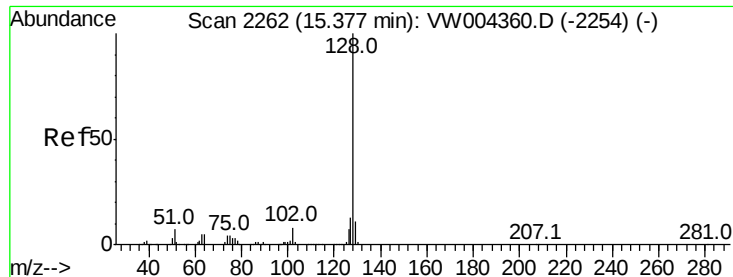
Tgt Ion:180 Resp: 26695
 Ion Ratio Lower Upper
 180 100
 182 93.0 77.7 116.5
 184 30.4 24.6 37.0
 145 28.7 23.6 35.4



#68
 1,2,4-trichlorobenzene
 Concen: 2.877 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004364.D
 Acq: 31 Jul 2018 18:04

Tgt Ion:180 Resp: 21609
 Ion Ratio Lower Upper
 180 100
 182 93.6 75.5 113.3
 145 27.7 24.2 36.2





#69

Naphthalene

Concen: 2.569 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004364.D

Acq: 31 Jul 2018 18:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.582

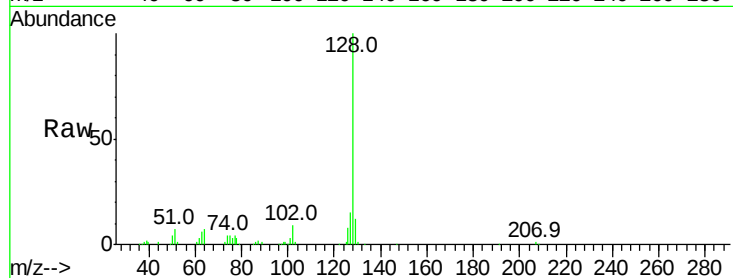
Tgt Ion:128 Resp: 44278

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

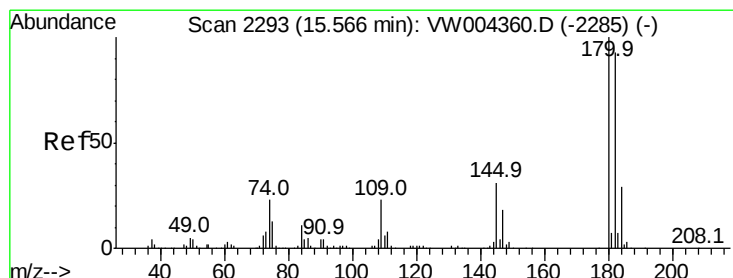
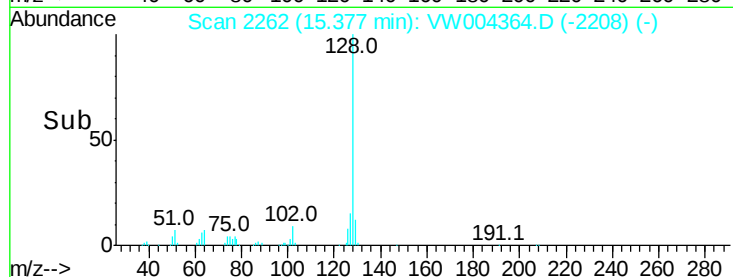
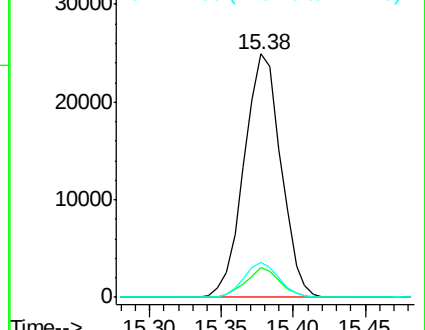
127 13.8 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 2.856 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004364.D

Acq: 31 Jul 2018 18:04

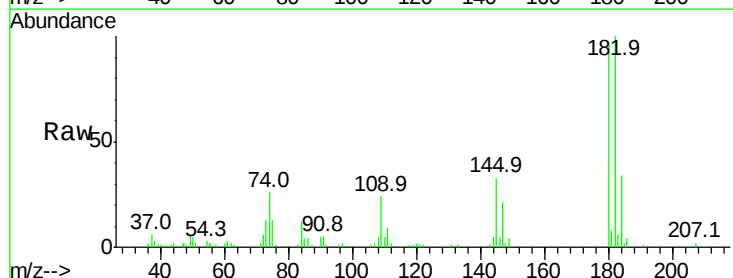
Tgt Ion:180 Resp: 19848

Ion Ratio Lower Upper

180 100

182 97.6 77.0 115.4

145 32.2 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

